Samsung ATIV Odyssey™

MOBILE SMARTPHONE

User Manual

Please read this manual before operating your phone and keep it for future reference.

Warning! This product contains chemicals known to the State of California to cause cancer and reproductive toxicity.

Intellectual Property

All Intellectual Property, as defined below, owned by or which is otherwise the property of Samsung or its respective suppliers relating to the SAMSUNG Phone, including but not limited to, accessories, parts, or software relating there to (the “Phone System”), is proprietary to Samsung and protected under federal laws, state laws, and international treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation and other works of authorship. You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) modify, prepare derivative works of, reverse engineer, decompile, disassemble, or otherwise attempt to create source code from the software. No title to or ownership in the Intellectual Property is transferred to you. All applicable rights of the Intellectual Property shall remain with SAMSUNG and its suppliers.

Disclaimer of Warranties; Exclusion of Liability

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED ON THE WARRANTY PAGE ENCLOSED WITH THE PRODUCT, THE PURCHASER TAKES THE PRODUCT "AS IS", AND SAMSUNG MAKES NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE; THE DESIGN, CONDITION OR QUALITY OF THE PRODUCT; THE PERFORMANCE OF THE PRODUCT; THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO. NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH OF

THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS.

Modification of Software

SAMSUNG IS NOT LIABLE FOR PERFORMANCE ISSUES OR INCOMPATIBILITIES CAUSED BY YOUR EDITING OF REGISTRY SETTINGS, OR YOUR MODIFICATION OF OPERATING SYSTEM SOFTWARE.

USING CUSTOM OPERATING SYSTEM SOFTWARE MAY CAUSE YOUR DEVICE AND APPLICATIONS TO WORK IMPROPERLY. YOUR CARRIER MAY NOT PERMIT USERS TO DOWNLOAD CERTAIN SOFTWARE, SUCH AS CUSTOM OS.

Samsung Telecommunications America (STA), LLC

Headquarters:
1301 E. Lookout Drive
Richardson, TX 75082

Customer Care Center:
1000 Klein Rd.
Plano, TX 75074
Toll Free Tel: 1.888.987.HELP (4357)

Internet Address:
http://www.samsung.com

©2012 Samsung Telecommunications America, LLC. Samsung is a registered trademark of Samsung Electronics Co., Ltd.

Do you have questions about your Samsung Mobile Phone?
For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at:
www.samsung.com/us/support

The actual available capacity of the internal memory is less than the specified capacity because the operating system and default applications occupy part of the memory. The available capacity may change when you upgrade the device.

The Bluetooth® word mark, figure mark (stylized “B Design”), and combination mark (Bluetooth word mark and “B Design”) are registered trademarks and are wholly owned by the Bluetooth SIG.

microSD™, microSDHC™ and the microSD logo are Trademarks of the SD Card Association.

Wi-Fi is a registered trademark of the Wireless Fidelity Alliance, Inc.

Microsoft® Office, Windows® Phone, and Windows Live® are trademarks of Microsoft Corporation.

©Samsung Telecommunications America, LLC (“Samsung”). Samsung and Super AMOLED are both trademarks of Samsung Electronics Co., Ltd. and/or its related entities. All product and brand names are trademarks or registered trademarks of their respective companies. Screen images simulated. Appearance of the phone may vary.

Table of Contents

Section 1: Getting Started 4

Understanding this User Manual 4
Setting Up Your Phone 6
Turning Your Phone On 14
Securing Your Phone 16
Using the Start-up Wizard 17
TTY Mode 19
Voicemail 19
Displaying Your Phone Number 20
Roaming 20
Restarting Your Phone 20

Section 2: Understanding Your Phone 21

Features 21
Front View 22
Side Views 23
Back View 24
Navigation 25
Motions 26
Screen Layout 27
Customizing Your Home Screen 29
Speech Engine 31
Entering Text 32

Section 3: Call Functions 38

Making a Call 38
Making a Call from People 39
Answering a Call 39
History 40
Options During a Call 41

Section 4: Your People List 44

Adding a New Contact 44
Adding Contacts from an Account 45
Editing an Existing Contact 46
Deleting Contacts 46
Groups 47
Using Your People List 48
Linking Contacts 50
Synchronizing Accounts 51
What's New 52

People Options 52
Additional People Options 53
Recent Activities 53
Rooms 54
Section 5: Messaging 59
Types of Messages 59
Creating and Sending Text Messages 59
Voice to Text Messages 60
Creating and Sending Multimedia Messages . . 61
Messaging Threads 61
Online Messaging 65
Using Email 66
Section 6: Multimedia 75
Xbox Music Pass 75
Music + Videos 75
Photos 80
Camera 84
Photo Editor 90
Section 7: Applications 92
GPS Applications 92
Accessing the App List 93
Alarms 93
Calculator 94
Calendar 94
Camera 96
Data Sense 97
Games 97
Help + Tips 99
Internet Explorer 99
Live Wallpaper 99
Maps 100
Messaging 103
MiniDiary 103
Music + Videos 104
Now 105
Office 107
OneNote 108
People 109
Phone 109
Photo Editor 109
Photos 109
Settings 109
Slacker Radio 110
Store 110

Wallet 111
Your Navigator Deluxe 111
Section 8: Connections 112
Internet Explorer 112
Wi-Fi 117
Bluetooth 119
PC Connections 121
Section 9: Changing Your Settings 122
System Settings 122
Application Settings 140
Section 10: Health and Safety Information 149
Exposure to Radio Frequency (RF) Signals . . 149
Specific Absorption Rate (SAR) Certification Information 154
Smart Practices While Driving 155
Battery Use and Safety 156
Samsung Mobile Products and Recycling . . . 158
UL Certified Travel Charger 159
Display / Touch-Screen 160
GPS 160
Emergency Calls 161
Care and Maintenance 162
Operating Environment 163
Restricting Children's Access to Your Wireless Mobile Device 165
FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices 165
FCC Notice and Cautions 167
Other Important Safety Information 167
Section 11: Warranty Information 169
Standard Limited Warranty 169
End User License Agreement for Software . . 174
Index 182

Section 1: Getting Started

This section allows you to quickly start using your Samsung SCH-R860U phone by installing the SIM and microSD cards, installing and charging the battery, activating your service, and setting up your voicemail account.

Understanding this User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 182.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the guide, beginning on page 149.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the phone or keypad. (For more information, refer to *"Securing Your Phone"* on page 16.)

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone's settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's settings.

Special Text

In this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature, menu, or sub-menu.
- **Tips**: Provides quick or innovative methods, or useful shortcuts.
- **Example**: Gives an example of the feature or procedure.
- **Important**: Points out important information about the current feature that could affect performance.
- **Warning**: Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

→ Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures.

Example: "Touch **Start**, then touch **Phone** → **Dialer**."

Setting Up Your Phone

Before using your phone, you need to install the SIM card, the optional microSD™ card, and the battery into their respective internal slots and compartments.

Important! Before removing or replacing the battery cover, make sure the phone is switched off. To turn the phone off, hold down the power key until the power off image displays, then slide the screen down to power off.

Removing the Battery Cover

1. Locate the cover removal opening (1).
2. Place your fingernail in the opening and pry the cover away from the device (2).

Caution! Do not bend or twist the back cover excessively. Doing so may damage the cover.

Replacing the Battery Cover

- Align the bottom of the battery cover with the phone as shown, then press the cover down into place.

Installing the SIM Card

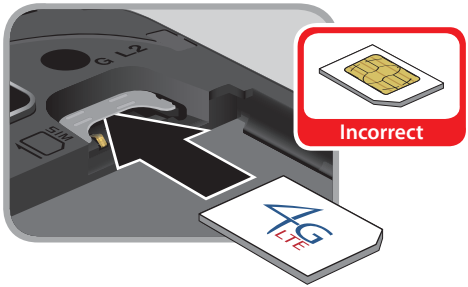
When you subscribe to a 4G LTE cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features. This SIM card will only work with this device.

Important! The SIM card must be installed for your phone to establish a network connection.

The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

1. Remove the battery cover. (See *"Removing the Battery Cover"* on page 6.)
2. If the battery is installed, remove it. (See *"Removing the Battery"* on page 11.)
3. Locate the SIM card slot on the top right hand corner of the battery compartment.

4. Make sure the gold contacts of the SIM card face downward and that the notched corner of the card faces outward to the right (as shown).
5. Carefully slide the SIM card into the SIM card socket (as shown) until the card stops.



Note: If the SIM card is not inserted correctly, the phone cannot make a network connection. Once the SIM card is inserted, do not remove it.

6. Replace the battery and battery cover. (See *"Installing the Battery"* on page 10.)

If your SIM card is ever separated from the device or damaged, your device will not function. If you experience any issues with your device, contact Customer Service at 888-944-9400 or visit your nearest U.S. Cellular® retail location.

SIM Card Limited Warranty

Subject to the exclusions contained below, United States Cellular Corporation ("U.S. Cellular") warrants to the original purchaser ("You" or "Your") of the handset with which the SIM card was provided that the SIM card will be free from defects in material and workmanship for a period of one (1) year from the date You purchased the handset (the "Warranty Period"). This warranty is not transferable. Should a defect appear during the Warranty Period, U.S. Cellular will send a replacement SIM card to Your address within the United States without charge provided that you request the replacement SIM card during or within thirty (30) days following the Warranty Period by calling U.S. Cellular Customer Service at 888-944-9400 (or dialing 611 on Your U.S. Cellular handset) or by visiting a U.S. Cellular retail store.

REPLACEMENT OF THE SIM CARD AS PROVIDED HEREIN IS YOUR EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF TITLE, FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, NONINFRINGEMENT OR ARISING FROM COURSE OF DEALING OR USAGE OF TRADE. NEITHER U.S. CELLULAR NOR ANY OF ITS AFFILIATES OR RETAILERS SHALL BE LIABLE TO YOU FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, ECONOMIC, EXEMPLARY, PUNITIVE OR CONSEQUENTIAL DAMAGES (INCLUDING, WITHOUT LIMITATION, LOSS OF DATA, LOSS OF REVENUE OR PROFITS, DAMAGE TO PROPERTY OR LOSS OF USE). IN NO EVENT SHALL U.S. CELLULAR'S, ITS AFFILIATES' OR RETAILERS' LIABILITY TO YOU OR ANY THIRD PARTY WITH RESPECT TO THE SIM CARD EXCEED THE COST OF REPLACING THE SIM CARD.

THIS LIMITED WARRANTY SHALL BE CONSTRUED UNDER THE LAWS OF THE STATE OF ILLINOIS, EXCLUDING ITS CONFLICTS OF LAW PROVISIONS. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

No agent, employee, dealer, retailer, representative or reseller is authorized to modify or extend the terms of this Limited Warranty.

Battery

Your phone is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) is included with the phone, for charging the battery.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

After the first charge, you can use the phone while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Battery Indicator

The battery icon in the Status Line shows battery power level. Two to three minutes before the battery becomes too low to operate your phone, the empty battery icon will flash and a tone will sound. If you continue to operate the phone without charging the battery, the phone will power off.

Installing the Battery

1. Remove the battery cover. (See *"Removing the Battery Cover"* on page 6.)
2. Slide the battery into the compartment (1) so that the tabs on the end align with the slots at the bottom of the phone, making sure the connectors align.
3. Gently press down to secure the battery (2).

4. Replace the battery cover. (See *"Replacing the Battery Cover"* on page 7.)

Removing the Battery

1. Remove the battery cover. (See *"Removing the Battery Cover"* on page 6.)
2. Lift the battery up by the slot provided (1).

3. Lift the battery up and out of the phone (2).

Charging the Battery

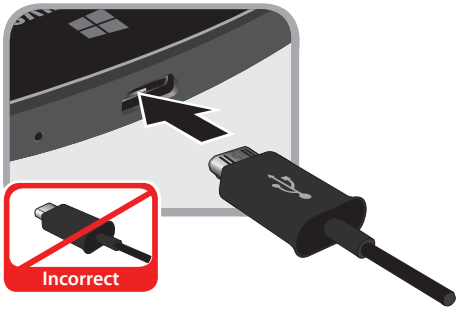
Your phone is powered by a rechargeable Li-ion battery. A wall charger, which is used for charging the battery, is included with your phone. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

Before using your phone for the first time, you must fully charge the battery. A discharged battery recharges fully in approximately 4 hours.

Note: Verify that the battery is installed prior to connecting the wall charger. If both the wall charger is connected and the battery is not installed, the handset will power cycle continuously and prevent proper operation. Failure to unplug the wall charger before you remove the battery, can cause the phone to become damaged.

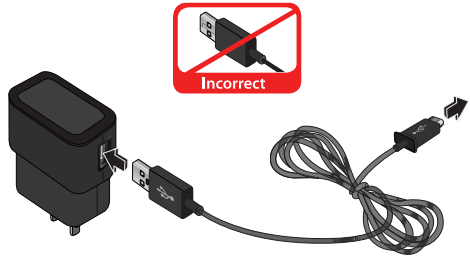
Important! It is recommended you fully charge the battery before using your device for the first time.

1. Insert the USB cable into the device's Charger/ Accessory jack at the bottom of the device.



Note: This illustration displays both the **correct** and **incorrect** orientation for connecting the USB cable. If the USB cable is incorrectly connected, damage to the accessory port will occur, therefore voiding the phone's warranty.

2. Connect the USB cable to the charging head.



3. Plug the charging head into a standard AC power outlet. The device turns on with the screen locked and indicates both its charge state and percent of charge.

Warning! While the device is charging, if the touch screen does not function due to an unstable power supply unplug the USB power adapter from the power outlet or unplug the USB cable from the device.

4. When charging is finished, first unplug the charger's power plug from the AC wall outlet, then disconnect the USB cable connector from the device.

Important! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 169.

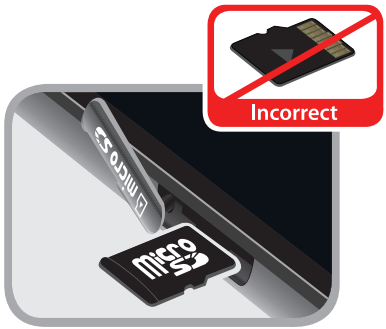
Memory Card

Your device lets you install a microSD™ (SD) or microSDHC™ memory card (not included) to expand available memory to store images, videos, music, applications, and data.

Installing a Memory Card

1. Open the **microSD** cover (lower left side of the phone).
2. With the gold contacts facing down, carefully slide the memory card into the slot (as shown), pushing gently until it clicks into place.
3. Close the **microSD** cover.

Important! Be sure to align the gold contact pins on the memory card with the phone's contacts.



Removing a Memory Card

Important! To prevent damage to information stored on the memory card, dismount the card before removing it from the phone.

1. From the Home screen, swipe the screen left to display the App List.
2. Touch **Settings**. Under the **System settings** menu, touch **phone storage → SD card → remove SD card**.
3. At the **Dismount SD card?** prompt, touch **yes** to dismount the SD card.
4. Open the **microSD** cover (on the lower left side of the phone).
5. Firmly press the memory card into the slot and carefully release it. The card should pop partially out of the slot.
6. Remove the card from the slot.
7. Replace the battery cover. (See *"Replacing the Battery Cover"* on page 7.)

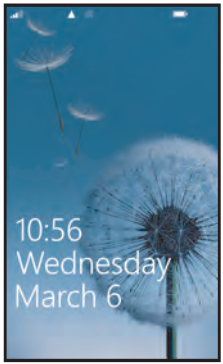
Turning Your Phone On

- Press and hold the **Power/Lock** key (on the upper right side of the phone) for three seconds. While powering on, the phone connects with the network, then displays the Locked screen and any active Notification alerts.

Note: Your phone's internal antenna is located along the bottom back of the phone. Do not block the antenna; doing so may affect call quality or cause the phone to operate at a higher power level than necessary.

Unlocking Your Phone

1. If needed, press the **Power/Lock** key (on the upper right side of the device) to wake the screen.
2. If there are no Notification alerts on your phone, swipe the screen up to unlock it. The Home screen appears.



Turning Your Phone Off

1. Press and hold the **Power/Lock** key (on the upper right side of the device) for two seconds.
2. At the prompt **slide down to power off**, touch and slide the partial Lock screen down. The screen will display **goodbye** as the phone powers off.

   – or –

   To cancel, slide the partial Lock screen up. The phone will not power off.

Securing Your Phone

By default, the phone locks automatically when the screen times out, or you can lock it manually. You can unlock the phone using the default Lock screen or, for increased security, your can use a password.

(For more information about creating and enabling a Screen unlock pattern, see *"Lock Screen"* on page 124.)

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

Locking the Phone Manually

- Press the **Power/Lock** key on the top right side of the phone. The screen darkens.

Unlocking the Phone

For information on unlocking your phone, see *"Unlocking Your Phone"* on page 15.

Unlocking with a Personal Screen Unlock Pattern

1. Press the **Power/Lock** key to wake the screen.
2. Draw your personal unlock pattern on the screen.

(For more information, see *"Lock Screen"* on page 124.)

Unlocking with a Password

1. Press the **Power/Lock** key to wake the screen.
2. Enter your Password.

(For more information, see *"Lock Screen"* on page 124.)

Using the Start-up Wizard

The very first time you turn on your phone, provided the SIM card is installed (see *"Installing the SIM Card"* on page 7), the **Welcome to your ATIV Odyssey** screen appears.

1. Touch **get started**.

   The **CHOOSE A LANGUAGE** screen displays.

   The language you choose determines how text appears on your phone.

2. Touch the language you want to use and touch **next**.

   If you choose a language other than English, the **Switch your language** screen displays.

   - To restart the phone and change the language, touch **ok**.
   - To return to the **CHOOSE A LANGUAGE** screen, touch **cancel**.

   The **WINDOWS PHONE TERMS OF USE** screen displays.

3. Read the Windows Phone Terms of Use and touch **accept**.

   The **SET UP YOUR PHONE** screen displays.

4. Touch **recommended** to allow the Start-up Wizard to configure your phone to the recommended settings.

   – or –

   Touch **custom** to manually configure the phone yourself. If you select **custom**, follow the on-screen instructions.

   Another **SET UP YOUR PHONE** screen displays.

5. If necessary, touch the **What's your home country/region?** field, scroll through the list of countries/regions, and touch your country/region.

   If necessary, touch the **What time zone are you in?** field, scroll through the list of time zones, and touch the time zone of your choice to highlight it.

Note: The following date and time fields are displayed if no SIM card is installed in your phone.

   If necessary, touch **What's the date today?** to set the month, day, and year and touch **What time is it now?** to set the current time.

Touch **Send my location to Microsoft when my phone is activated** to help Microsoft improve its phone setup procedure by providing the GPS location of your phone.

Note: This information is collected this one time only (while the phone is being activated), and is not used to track you or your phone.

Touch **Learn more** for more information.

Touch **next**.

The **Keep your life in sync** screen displays.

Note: To get apps, play games, automatically sync Windows Live information to the web, and more, you need a Microsoft account. If you already have an Xbox LIVE, Zune, Hotmail, Live, Windows ID, or Messenger ID, you already have a Microsoft account. (For more information, refer to *"Setting Up a Microsoft Account"* on page 74.)

6. To sign into your existing account, touch **sign in**.

   – or –

   To create a new Microsoft Account, touch **create one**.

   – or –

   To create an account later, touch **Sign in later**.

Note: If you choose **Sign in later**, you can sign in later. A **Microsoft ID is required** screen appears when you try to use a feature that requires that you be signed in.

When you are finished, the **SETTING UP YOUR PHONE** screen displays.

7. When all the apps have finished installing, touch **next**.

   The **All done** screen displays.

8. Touch **done** to go to the Home screen.

Resetting Your Microsoft Account Password

A Microsoft account password is required for Microsoft applications. If you misplace or forget your Microsoft account password, follow these instructions to reset it:

1. From your computer, launch your browser and navigate to live.com.
2. Once the web page loads, click on the **Can't access your account?** link.
3. Under **Reset your password**, follow the prompts to reset your password.

TTY Mode

Your phone is fully TTY-compatible, allowing you to connect a TTY device to the phone's headset jack. Before you can use your phone with a TTY device, you'll need to enable TTY Mode.

For more information, refer to *"Ease of Access"* on page 133.

Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

Setting Up Voicemail

1. Touch **Start** → **Phone** → **Voicemail**.
2. Follow the automated instructions to set up your new password and record a greeting.

Checking Voicemail

1. Touch **Start** → **Phone** → **Voicemail**.
2. Follow the automated instructions to manage voicemail.

Tip: You can also access **Voicemail** by dialing your phone number from any touch-tone phone.

Displaying Your Phone Number

- Touch **Start** → **Settings** → **Cellular**.

Roaming

When you travel outside your home network's coverage area, your phone can roam to acquire service on other compatible digital networks.

Tip: You can set your phone's roaming behavior. (For more information, refer to *"Cellular"* on page 126.)

During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when making or receiving calls.

Note: Contact your Wireless Provider for more information about your coverage area and service plan.

Restarting Your Phone

If your phone "freezes" or becomes unresponsive, try the following:

1. Restart your phone by pressing and holding the Power key for 13 to 15 seconds. The phone will power off, and then turn on automatically.
2. If restarting your phone does not solve the problem, remove and replace the battery, and turn on the phone. (See *"Turning Your Phone On"* on page 14.)

Section 2: Understanding Your Phone

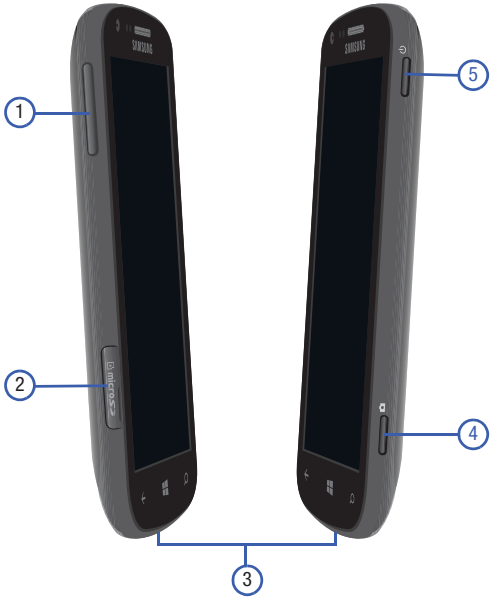
Features

- 4.0-inch 800x480 Super AMOLED WVGA touch screen
- CDMA 1X/EVDO Rev.A /LTE wireless technology
- Dual Core, 1.5 GHz processor
- Microsoft® Windows® Phone 8 platform
- Windows Phone store, plus pre-loaded applications
- Connections
  - Wi-Fi 802.11 a/b/g/n (Supported Integrated,802.11 a/b/g/n, frequency band—2.4GHz and 802.11a in 5GHz)
  - Mobile Hotspot
  - Bluetooth 3.0
  - USB 2.0
- Messaging Services
  - Text Messaging
  - Picture Messaging
  - Video Messaging
  - Voice Messaging
  - Email
  - Mobile Instant Messenger (IM)
- 5 Megapixel Camera/Camcorder with LED flash + 1.2 Megapixel Front Camera
- Photos Gallery
- Video Player (720p — MP4 and 3GP)
- Music Player (AAC, AAC+, eAAC+, MP3, and WMA)
- Speakerphone
- Support for microSD™ and microSDHC™ memory cards up to 64GB capacity

Front View

1. **Earpiece**: Use during calls to listen to callers.
2. **1.2 Megapixel Front Camera**: Use for taking pictures and recording video.
3. **Proximity and Light Sensors**: Detect the presence of nearby objects to control device functions or blank the screen display, such as when you hold the phone to your ear during a phone call. Detect ambient light to determine screen brightness when **Brightness** is set to **Automatic Brightness** (see *"Brightness"* on page 131), and when taking pictures with the Front camera.
4. **Back Key**: Press to return to the previous screen or option. Press and hold to display recent applications.
5. **Microphone**: Use during calls to allow callers to hear your voice, and when recording.
6. **Start Key**: Press to display the Home screen, or Lock screen, if the phone is locked. Press and hold to launch voice search.
7. **Search Key**: Launches Microsoft Bing to perform Internet searches.
8. **Display**: Shows the information needed to operate your phone (Tiles, icons, app screens, and so on).

Side Views



1. **Volume Key**: From the Home screen, touch to adjust Master Volume. During calls or music playback, press to adjust volume. Press to mute the ringtone of an incoming call.
2. **microSD Card Slot**: Accepts microSD and microSDHC memory cards (not included), up to 64 GB capacity, for storing images, music, videos, and other files.
3. **USB Power/Accessory Port**: Connect a USB cable for charging or to sync music and files.
4. **Camera/Camcorder Key**: From the Home screen, press to launch the Camera. From the Camera screen, press to take a photo. From the Camcorder screen, press to start and press to stop recording a video.
5. **Power/Lock Key**: Press and hold to turn the phone on or off. Press to lock the phone, or to wake the screen for unlocking.

Back View

1. **Noise Cancelation Microphone**: Captures background noise that the phone uses to produce a quiet background during calls and video chats.
2. **Camera Flash**: Use when taking photos.
3. **5 Megapixel Camera Lens**: Use when taking photos or recording videos.
4. **External Speaker**: Play ringtones, call audio when in Speakerphone mode, media sounds (music and video), and other sounds.
5. **3.5mm Headset Jack**: Plug in an optional headset or TTY equipment.

Navigation

Navigate your phone's features using the command keys and the touch screen.

Warning! Please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. (For more information, refer to *"Warranty Information"* on page 169.)

Context-Sensitive Menus

While using your phone, context-sensitive menus offer options for the feature or screen currently in use.

To access context-sensitive menus:

1. Touch **menu**.
2. Touch or touch and hold an item to select or launch.

Command Keys

Back Key

Touch **Back** to return to the previous screen, option or step.

Touch and hold **Back** to display a menu of recently used applications.

Start Key

Touch **Start** to display the Home screen.

Touch and hold **Start** to launch speech recognition.

Touch **Start** and press the **Power/Lock** key (on the upper right side of the device) to take a screenshot of the current screen.

Search Key

Touch **Search** to launch Microsoft Bing and perform Internet searches.

Menu Key

Touch **menu** to launch a context-sensitive menu of options for the current screen or feature.

Motions

Finger Motions

Touch

Touch items to select or launch them. For example:

- Touch the on-screen keyboard to enter characters or text.
- Touch an item to select it.
- Touch an app's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget or icon on the Home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe

Swipe your finger vertically or horizontally across the screen. For example:

- Unlocking the screen.
- Scrolling the Start screen or a menu.
- Combine touch and hold with swipe to drag an item to a new location.

Pinch and Stretch

Using two fingers, make a 'pinching' or 'stretching' motion on the screen. For example:

- Pinch in to zoom out on pictures or screens.
- Stretch out to zoom in on pictures or screens.

Screen Layout

The Home screen is the starting point for using your phone.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

1. **Status Bar**: Displays icons to show network status, battery power, connection details, and clock. (For a list of icons, see *"Status Bar Icons"* on page 28.)
2. **Home Screen**: The starting point for using your phone. Place Tiles, and other items to customize your phone to your needs.
3. **Tiles**: Shortcuts to your phone's common apps. (For more information, see *"Customizing Your Home Screen"* on page 29.)

Status Bar Icons

The Status Bar shows network and battery status and other details.

Note: If there are no icons displayed, slide the screen down to display them.

Current signal strength. The greater the number of bars, the stronger the signal.

There is no SIM card in the phone.

The SIM card is locked.

Call forwarding is active. (For more information, refer to *"Phone"* on page 144.)

Battery charge level. Icon shown is fully charged.

The battery is charging. Alternates with the battery charge level. Also displays when the phone is connected to a computer with the USB data cable.

Battery critically low, which means your battery needs to be charged soon or your phone will turn off.

Your phone is actively connected to a 1X network.

Your phone is actively connected to a 3G network.

Your phone is actively connected to a 4G LTE network.

The ringtone is set to vibrate only.

The ringer and vibrate are off.

Bluetooth is activated and your phone has been connected with a Bluetooth device.

Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Wi-Fi is active, but there is a communication issue with the target Wireless Access Point (WAP).

Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.

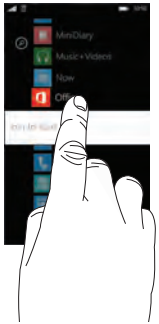
Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Adding and Removing Application Tiles on the Home screen.
- Repositioning Application Tiles.
- Changing the wallpaper.

Adding a Tile from the App List

1. At the Home screen, sweep the screen to the left.
   The Application List displays.
2. Touch and hold one of the Application Tiles.
3. Touch **pin to start** on the pop-up menu.
   The Application Tile now appears as the bottom Tile on the Home screen. You can then reposition it if you would like. (For more information, refer to *"Moving Application Tiles on the Home Screen"* on page 30.)



Removing an App List Tile

To delete an Application Tile from your Home screen, follow these steps:

1. From the Home screen, touch and hold the Application Tile that you want to remove.
2. Touch on the icon to delete the Tile.
   Tip: After deleting an Application Tile, you can add it back later by pinning it to the Home screen from the App List. (For more information, refer to *"Adding a Tile from the App List"* on page 29.)

Moving Application Tiles on the Home Screen

To move an Application Tile on your Home screen, follow these steps:

1. From the Home screen, touch and hold the Application Tile that you want to move.
2. Drag the Tile to the new location and release.
3. Touch the center of the icon to place it in the new location.

   Be careful not to touch the icon. If you do, the Tile is deleted.

Changing the Lock Screen Wallpaper

You can change the Wallpaper (background) of your Lock screen by following these steps:

1. From the Home screen, swipe the screen to the left to display the **apps menu**, then touch **Settings** .
2. Under the **system** menu**,** touch **lock screen**.
3. Touch the **Background** field to choose an image location:
   - **photo**: Sets a photo as the Lock screen background. Touch the **change photo** field to select a photo from your photo albums. Slide the photo within the window to crop it, then touch to save.
   - **Bing**: Randomly sets professional Bing images as the Lock screen background.
   - **Live Wallpaper**: Sets Live Wallpapers as the Lock screen background. Touch the **open app** field to launch Live Wallpaper.
   - **Photo Editor**: Edit the background image with Photo Editor. Touch the **open app** field to launch Photo Editor.
4. Touch the **Power/Lock Key** twice to view the new Lock screen background.

Changing Your Color Theme

You can change the color theme of your phone by following these steps:

1. From the Home screen, swipe the screen to the left to display the App List, then touch **Settings** .
2. Under the **system** menu**,** touch **theme**.
3. Touch the **Background** field.
4. Touch on **dark** or **light** to set your background color.
5. Touch the **Accent color** field.
6. Touch on a color that you like.
7. Touch **Start** to return to the Home screen.

Note: Battery power is consumed at a faster rate when the background is set as **light**.

Speech Engine

There is an intuitive speech engine integrated into the **Start** Key ( ) on your phone.

1. From any screen, touch and hold **Start** to activate the intuitive speech engine.
2. Speak the words that you would like to search on or the action that you would like to perform.

   The following examples show the flexibility of the speech engine:

   - "Call Chris mobile"
   - "Find coffee in Seattle"
   - "Open calendar"
   - "Text Brandy"
   - "Note send birthday card"
3. Touch **Privacy Statement** to display the Windows Phone 8 Privacy Statement.
4. Touch **accept** to allow Microsoft to use your voice data to provide and improve the service, which makes additional features available to you.

To change speech settings, see *"Speech"* on page 134.

Entering Text

Your phone uses a virtual QWERTY keyboard for text entry. Use the keyboard to enter letters, punctuation, numbers, and other characters into text entry fields or applications. Access the keyboard by touching any text entry field.

The virtual QWERTY keyboard displays at the bottom of the screen. Your phone comes equipped with an orientation detector that can tell if the phone is being held in a portrait (upright) or landscape (sideways) orientation.

Keys

The keys on the QWERTY keyboard are associated with alphabetic letters, special characters, or numbers.

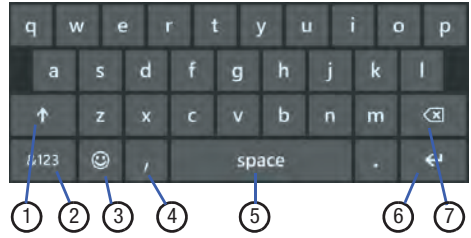
Based on your keyboard settings, the first letter of an entry is capitalized and all consecutive letters are kept in lowercase unless you touch the Shift key (↑) or enter a period. After entering a character, the cursor automatically advances to the next space. (For more information, refer to *"Keyboard"* on page 132.)

For certain fields, such as the New Message **To** field, a dialer keypad displays when you touch the **123** key to enter a recipient's phone number. (For more information, refer to *"Messaging"* on page 59.)

Using the QWERTY Keyboard

The keyboard provides keys labeled with alphabetic characters. Touch the key corresponding to the character you want to enter.

The following keys perform special functions when entering text. Some keys may perform differently depending on the field in which text is being typed.



Note: Some text input screens show black keys on a light background.

1. **Shift:** Used to switch between uppercase and lowercase characters.
2. **123** or **&123:** Touch once to type special characters and numbers that appear on the QWERTY keys. Examples: $, #, !, 1, 2. After all characters and numbers have been selected, touch **abcd**.
3. **Semicolon** or : Touch the semicolon to separate addresses or phone numbers.

   Touch to display several screens of Emoticons. Touch a category at the bottom of the screen, then swipe up or down to display more Emoticons. Touch a character on the screen to add it to your text.

   When finished, touch **abc**.
4. **@** or **Comma**: Touch the character displayed, which may be the @ character or a comma, depending on the field in which text is being typed.
5. **Space**: Touch to insert an empty space.
6. **Enter:** Touch to move the insertion point to the next line in a message.
7. **Backspace**: Touch to delete the previous character, similar to the backspace key on a computer keyboard.

Changing the Text Input Mode

There are three main keyboard layout keys that change the on-screen keys within the QWERTY keyboard.

The available Text Input modes are:

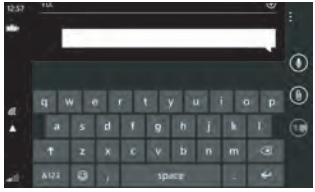
- &123 **Symbol and Number Mode**: Activates the symbol and number keys.
- abcd **Alphabetic Mode**: Activates the default alphabet keys. Switch between uppercase and lowercase by touching the shift (↑) key.
- **Emoticons**: Activates the Emoticon keys. Touch ← or → to cycle between the two Emoticon screens. Touch a category at the bottom of the screen, then swipe up or down to display more Emoticons.

Note: When in **abcd** mode, the **&123** key appears. When in **&123** mode, the **abcd** key appears.

Using Alphabetic Mode

Whenever you enter text (while creating a message, an email, and so on), if desired, rotate your phone counterclockwise to a landscape orientation.

A screen similar to the following appears:



The Text Input mode is initially set to **abcd** mode.

1. Touch the desired alphabetic characters. After typing the first letter, the following letters are lowercase.
2. Touch ↑ to input another uppercase letter. Touch ↑ twice to switch to caps lock mode and the shift key changes to ↑. All following letters are uppercase until you touch ↑ again.

Using Symbol and Numeric Mode

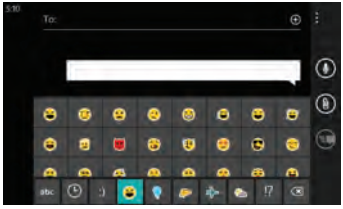
Use Symbol and Numeric mode to type numbers and symbols.

1. Touch &123 at the bottom of the screen.
2. Touch the desired number and symbol characters.
3. Touch either ← or → to cycle through additional pages of symbols.
4. Touch abcd to return to Alphabetic mode.

Using Emoticon Mode

Use Emoticon mode to add combinations of characters to your text input.

1. Touch at the bottom of the screen. The following screen displays:



Note: Emoticons are not available for some input fields.

2. Touch a category at the bottom of the screen, then swipe up or down to display more Emoticons.
3. After all characters have been selected, touch abc to return to Alphabetic mode.

Using Text Suggestions

Based on your keyboard settings, your phone suggests alternatives to what you are typing including correct spelling of words similar to what you are entering.

(For more information, refer to *"Keyboard"* on page 132.)

1. Touch a text input field.

Note: Text suggestion and spelling check are not available for some input fields.

2. Begin typing a word.

   A list of word options displays.
3. Touch one of the words to replace the word that has already been typed or sweep across the list of words for more word suggestions.

   If you replace the word, a space is entered after the word and the cursor automatically advances to the next space.
4. Continue typing.

Keyboard Settings

You can customize the way your phone handles certain functions while you enter text. You can also remove all the words you have added to your suggestion list.

(For more information, refer to *"Keyboard"* on page 132.)

Copy and Paste

Windows Phone 8 supports copy and paste. This feature is automatically enabled. You can copy text from most locations on the phone and paste it in most places you can type. Some locations enable you to copy a specific text string by highlighting it. Other locations enable you to copy an entire section of text by using a menu option.

Copy with the Highlight Option

To copy text that supports the highlight option:

1. Touch the text you want to copy to highlight it.
2. Drag the arrows at each end of the highlighted text until only the text you want to copy is highlighted.
3. Touch the copy icon that displays near the highlighted text.

The following locations support the highlight option:

- Web pages in the browser.
- Bodies of email messages.
- Office documents.
- Editable fields in native applications.

Copy with the Menu Option

To copy text that supports the menu option:

1. Touch and hold the text or link you want to copy until the menu appears.
2. Touch **copy** or **copy link**.

The following locations support this option:

- Headings of email messages
- Directions in maps
- Links in the browser
- Information in contact cards and social networking profiles in the People hub
- Messages you have sent or received
- Details pages for local search results

Pasting Copied Text

To paste text that you have copied:

1. Touch where you want to paste the text.
2. Touch the paste icon in the text suggestion bar above the keyboard.

   After you paste the text, the paste icon disappears. However, you can paste the copied text again by panning from left to right in the text suggestion bar to bring back the paste icon, and then touching the paste icon.

You can paste text in editable fields in native applications including password fields.

Note: When you copy text with special formatting (such as bold, italic, or lists) or images, the text appears when you paste it, but not the formatting or images.

Note: Copying and pasting works only for languages that use a Latin alphabet.

Section 3: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

(For more information on call settings, see *"Phone"* on page 144.)

Making a Call

1. From the Home screen, touch **Phone** ➔ **Dialer**.
2. Use the on-screen keypad to enter the number you want to dial.

   If you make a mistake, touch until the desired numbers have been deleted.
3. Touch **call** to dial the number.

Making an International Call

1. From the Home screen, touch **Phone** ➔ **Dialer**.
2. Touch and hold 0+. The **+** character appears.
3. Use the on-screen keypad to enter the country code, area code, and phone number.
4. Touch **call** to make the call.

Correcting an Entered Number

After entering a number using the keypad, use the following steps to correct a mis-typed entry when dialing.

1. If you make a mistake, touch to erase a single character.
2. Touch and hold to erase the entire string of numbers.

Ending a Call

To end a phone call:

- Touch **end call**.

Dialing a Recent Number

All incoming, outgoing, and missed calls are recorded in the **history**. If the number or caller is listed in your People, the associated name is also displayed.

1. From the Home screen, touch .

   The **history** screen displays.
2. Touch an entry to display the contact's detail page, then touch **call number** or **text**.

Making a Call from People

You can store phone numbers that you use regularly in the phone's memory. These entries are collectively called **People**.

(For further details about the **People** feature, see *"Dialing or Messaging from People"* on page 48.)

Answering a Call

When a call is received, the phone rings and displays the caller's phone number and name if stored in People.

1. At the incoming call screen, touch **answer** to answer the call or **ignore** to send the call to your voicemail.
2. Touch **end call** to end the call.

Note: You can answer a call while using other applications. After ending the call, the phone returns to the previously active function screen.

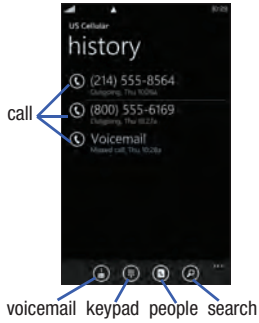
History

The phone stores the numbers of the calls you have dialed, received, or missed in the history. The history displays the details of the call.

- From the Home screen, touch .

  The history screen displays. If the number or caller is listed in your People, the associated name displays.

  All calls made, received, and missed are listed. Types of calls are identified on the history screen as Incoming, Outgoing, or Missed.



Calling Back a Missed Call

To call back a missed call number:

1. From the Home screen, touch .

   The history screen displays a list of recent calls. If the number or caller is listed in your People, the associated name displays.

2. Touch **call** to call the displayed number.

Saving a Recent Call to Your People

1. From the Home screen, touch .

   The history screen displays a list of recent calls.

2. Touch the call you want to save to your People.

   The profile screen displays.

3. Touch **save**.

   The CHOOSE A CONTACT screen displays.

4. Touch **new** to add as a new contact or touch an existing contact to edit manually.

   The EDIT PHONE NUMBER screen displays. The **Phone number** and **Phone number type** fields are automatically filled in with the information of the recent call.

5. Touch the **Phone number** or the **Phone number type** field and use the keypad to edit, if necessary.

6. When finished, touch **save**.
   The NEW PHONE CONTACT screen displays with the Phone number already added.
7. Touch the other fields to add name, other phone numbers, email, ringtone, and other information.
8. Touch **save**.

(For further details about the People feature, see *"Your People List"* on page 44.)

Sending a Message to a Recent Call

1. From the Home screen, touch .
   The history screen displays a list of recent calls.
2. Touch the call entry to which you want to send a message.
   The call detail page displays.
3. Touch **text**.
4. Use the keyboard to type in a message.
5. When you are done with your message, touch **send**.

(For more information, refer to *"Creating and Sending Text Messages"* on page 59.)

Deleting a Call from History

1. From the Home screen, touch .
   The history screen displays a list of recent calls.
2. Touch and hold the call you want to delete from recent calls.
3. Touch **delete item** on the popup menu.
   The call is deleted from the call history.

Options During a Call

Your phone provides a number of control options that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the earpiece volume, use the **Volume** keys on the left side of the phone.

- Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

From the Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call there are several options available by touching a corresponding on-screen button.

- **end call**: Terminates the call.
- **dialer** : Displays the on-screen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- **speaker**: Routes the phone's audio through either the speaker or through the earpiece. Touch speaker to turn on the speakerphone. Touch again to turn it off.
- **mute**: Turn the onboard microphone either on or off. Touch to mute your phone during a call. Touch again to unmute.
- **hold/flash**: Puts a call on hold. Touch to put the present call on hold. Touch again to reconnect.
- **bluetooth**: This option appears if a Bluetooth device is active. Touch to activate the Bluetooth device.
- **add call**: Allows you to add another call to your present conversation. (For more information, refer to *"3-Way (Multi-Party) Calling"* on page 43.)

Making a New Call During a Call in Progress

1. Touch **add call**.

   The history screen displays.

2. Select a number from your recent calls, or touch **keypad** to dial a number.

   You can also touch **people** to enter a number from your contacts list. Enter the number to add and touch **call**.

   Once connected, the active call appears on the call screen and the call on hold appears in a box at the top of the display.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one call on hold to active and placing the other call on hold.

1. Touch **flash** to swap between the two calls.

   The current call is placed on hold and the previous call on hold is then reactivated so that you can continue conversing with that person.
2. Touch **flash** again to swap back.
3. Touch **end call** to end the currently active call. The call on hold is then reconnected.

Answering a Call During a Call in Progress

1. There are several options available when a call is received when you have a call in progress. Touch one of the following:
   - **answer**: Allows you to answer the incoming call and put the first call on hold.
   - **ignore**: Sends the new call to your voicemail. The first call stays connected.
2. If you selected **answer**, touch **flash** to swap between the two calls.

3-Way (Multi-Party) Calling

The 3-Way or Multi-Party feature allows you to make or answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together.

1. While connected to two different callers (one is on hold), touch **merge calls**.

   The three calls are conferenced together and are displayed on the Conference screen.
2. Touch **end call** to end the conference call.

Section 4: Your People List

This section allows you to manage your daily contacts by storing their name, number, email, and other information in your phone using the People feature.

Adding a New Contact

Use the following procedure to store a new contact to your People list.

1. From the Home screen, touch **People**.
2. Swipe to the **all** list.
3. Touch **add contact**. The **CREATE CONTACT IN** screen appears.
4. Select your Microsoft account or add another account to store the new contact.
5. To assign a picture to the new contact, touch **add photo**. The **CHOOSE PICTURE** screen appears.
   - Select a picture from your photos or touch **camera** to take a new picture with your camera.
   - When you have made a selection, touch .
6. Touch **name**. The **EDIT NAME** screen appears.
7. Enter the **First name** and **Last name** for the new contact.

   You can also scroll down to enter additional information. (For more information, refer to *"Entering Text"* on page 32.)
8. To save your name entries, touch **save**.
9. To add a phone number, touch **phone**. The **EDIT PHONE NUMBER** screen appears with the **Phone number** field highlighted. The numerical keypad also appears.
10. Enter a number.
11. To indicate the type of number, touch the **Phone number type** field and select a number type.
12. To save your number entries, touch **save**.
13. To enter an email address for your contact, touch **email**. The **EDIT EMAIL** screen appears with the **Email address** field highlighted.
14. Enter an email address.

15. To identify the type of email address, touch the **Email address type** field and select an email type, then touch **save**.
16. Touch **ringtone**, then select a ringtone to identify calls from this contact.
17. Touch **other** then select any fields that you would like to add to the contact.
18. Touch **save** to save the new contact entry.

Adding Contacts from an Account

1. From the Home screen, touch **People**.
2. Swipe to the **all** list.
3. Touch **menu** ➔ **settings**. The SETTINGS menu appears.
4. Under **accounts**, touch **add an account**.
   The **ADD AN ACCOUNT** menu appears.
5. Select the type of account you want to add to your **People** list.
6. Enter the **Email address** and **Password** for the account.
7. Touch **next**.
8. Touch **sign in**.
9. If prompted, elect a content type that includes “contacts” to sync.
10. The **people** screen appears with the contacts list updated to include contacts from the new account.

Editing an Existing Contact

When editing an existing contact, you can touch a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, touch **People**.
2. Swipe to the **all** list, then touch the contact that you want to edit.
3. At the contact **profile** screen, touch **edit** at the bottom of the screen.
4. Touch the fields that you want to edit and then use the keyboard to make any changes.
5. Touch **save** to save the edited information.

Deleting Contacts

You can delete contacts from your People list.
To delete any People entry:

1. From the Home screen, touch **People**.
2. Swipe to the **all** screen, then touch and hold a contact that you want to delete.
3. Touch **delete** on the pop-up menu.
4. If there are linked profiles for the contact, the **CHOOSE A PROFILE TO DELETE** screen displays. Touch the profile that you want to delete.
5. At the **Delete contact?** prompt, touch **delete** to delete the contact or **cancel** to exit.

Groups

The Group function makes it possible to make individually named groups of people you care about, such as family, friends, coworkers, or social media friends. Once you create a group, you can pin it to your Home screen and it becomes a Live Tile. Notifications appear as new posts, comments, or pictures are added to this group.

Creating a New Group

Use the following procedure to create a new group of your contacts.

1. From the Home screen, touch **People**.
2. Swipe to the **together** list, then touch . The **ADD NEW** menu appears.
3. Touch **Group**. The **NAME THE GROUP** screen appears with the group name field highlighted.
4. Enter a group name.
5. Touch **save**. The **EDIT GROUP** screen appears.
6. To add members to the group, touch . The **CHOOSE A CONTACT** screen appears.
7. Scroll through your contacts and touch a contact to add it to the group.
8. Repeat Steps 6 and 7 until you have added all the selected contacts to the group. Touch .
9. To change a group member's preferred phone number or email address or to remove a member from the group, touch an entry in the list of group members.
10. Touch **save** to save your changes.

Group Options

Once you have created a group, there are several options available for editing, deleting, and so on.

1. From the Home screen, touch **People**.
2. Swipe to the **together** menu, then scroll down and touch the group that you want to display. The group screen displays.
3. Touch **text** to send a text message to all members of the group.
4. Touch **send email** to send an email message to all members of the group.
5. Touch **pin** to pin the group to the Home screen.

6. Touch **edit group** to display the EDIT GROUP screen.
   - Touch **add member** to add more members to the group.
   - Touch an entry in the list of group members to change that person's preferred phone number or email address or to remove the contact from the group.
   - Touch .
7. Touch **menu**:
   - Touch **rename** to rename the group.
   - Touch **delete** to delete the group.

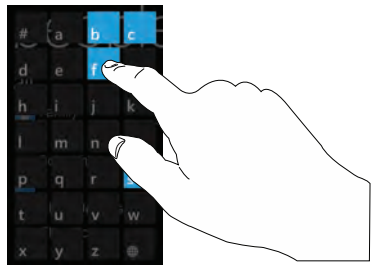
Note: Deleting a group does not delete the contacts.

Using Your People List

Dialing or Messaging from People

Once you have stored phone numbers in your People list, you can dial or message them quickly and easily.

1. From the Home screen, touch **People**.
2. Swipe to the **all** screen.
3. To highlight all of the letters for which you have contacts, (on the left side of the display) touch any letter.
4. Touch a highlighted letter to quickly jump to the contacts beginning with that letter.



5. Touch the contact you want to call or message.
6. Touch **call mobile** to make a phone call or **text** to send a message.

Note: Depending on the phone type that you entered when the contact was created, the display may show **call home**, **call company**, **call phone**, and so on.

(For more information, refer to *"Creating and Sending Text Messages"* on page 59.)

Searching for Contacts

You can also find a contact in your People list by using the Search option.

1. From the Home screen, touch **People**.
2. Swipe to the **all** screen.
3. Touch **search**.

   The search screen displays with a listing of all your contacts' names.
4. Use the on-screen keyboard to type the beginning letters of the contact's name that you are trying to find.

   The list displays names that begin with the letters you have typed.
5. Touch a name in the list to display the contact's profile.

Linking Contacts

Linking People Information

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts, such as Outlook, Google, Facebook, Twitter, and LinkedIn. When you synchronize your phone with these accounts, each account creates a separate contact entry in the People list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Hotmail, but also has a Facebook account under her maiden and married name, as well as a Google account, when you add these accounts to your Contacts list, you can link all of her entries and view the information in one record.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically update in your People list.

(For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 51.)

1. From the Home screen, touch **People**.
2. Touch a contact name (the name you want to link to another entry). Typically, this is the same contact with a different name or account information.
3. Touch **link**.
4. Touch **choose a contact**.
5. Touch the second contact entry (the entry in which to link). The second contact is now linked with the first and the account information is merged into one screen.

Note: The information is maintained in the first entry that you selected.

6. Touch the linked contacts to view the contact information you linked. The contacts and information displays with a label next to the contact name to indicate what type of account information is contained in the entry.

Unlinking People

1. From the Home screen, touch **People**.
2. Touch a contact name (the account name from which you want to unlink an entry).
3. Touch **unlink**. A number displays over the link symbol showing how many contacts are linked to this contact. The names of all the contacts that are linked are displayed.
4. Touch the contact you want to unlink.
5. At the prompt, touch **unlink**. The contact is now "unlinked" and no longer displays in the merged record screen.

Synchronizing Accounts

From the Accounts menu, you can decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically.

After determining how you want the accounts to synchronize, indicate which accounts to synchronize with your People list.

To set up an account, follow these steps:

1. From the Home screen, touch **People**.
2. Swipe to the **what's new** screen, then touch **set up account**.
3. Touch an account type to add. Select **Outlook**, **Hotmail**, **Google**, **Facebook**, **Twitter**, **LinkedIn**, or **advanced setup** (used for accounts that use Exchange ActiveSync). Touch **more** for Sina Weibo.
4. Follow the on-screen instructions. The selected account type synchronizes with your People list.

What's New

Synchronized accounts display information on the **what's new** screen. For example, if you add your Facebook account, you can see what your contacts are posting.

Importing Facebook Contacts

When you add your Facebook account, your profile picture displays at the top of your People list. Touch the picture to go to your Facebook profile. Your phone also imports all of your Facebook contacts and creates a profile for each contact or adds information to existing profiles.

You can limit imported Facebook contact information to the existing contacts already on your phone. (For more information, refer to *"People"* on page 143.)

People Options

You can access several options while viewing the details page for a specific entry.

1. From the Home screen, touch **People**.
2. Touch a specific contact entry.
3. Touch one of the following options:
   - **pin**: Touch the pin icon to pin this contact to your Home screen.
   - **link**: Touch the link icon to link several contacts together. (For more information, refer to *"Linking Contacts"* on page 50.)
   - **edit**: Touch the edit icon to make changes to the contact's information.
   - **menu**:
     - **share contact**: Touch **share** to send a contact's in formation via Ten + speed, Bluetooth, Messaging, or an email account.
     - **delete**: Touch the options icon and then touch **delete** to delete the contact from your People list.

Additional People Options

Depending on your settings, additional information from accounts such as Facebook, Twitter, or LinkedIn displays on the profile pages of your contacts.

1. From your People list, touch a contact entry. Depending on the information available on your accounts, phone numbers, home addresses, company names, email addresses, birthdays, and so on, are displayed. There is also a **write on wall** option and a **send email** option.
2. Swipe the screen to the left on any contact profile to the **what's new** screen for that contact. Posts for the contact are displayed. Scroll down the posts to display additional posts.
3. Swipe the screen to the left on any contact profile to the **history** screen for that contact. Recent activity from that contact is displayed. Scroll down the posts to display additional posts.

Use the **filter my contact list** setting to limit additional information from accounts such as Facebook, Twitter, or LinkedIn from displaying on the profile pages of your existing contacts. (For more information, refer to *"People"* on page 143.)

Recent Activities

From the **recent** screen, you can see the contacts that you viewed last.

1. From the Home screen, touch **People**.
2. Swipe to the **recent** screen.
3. Touch a contact to see their profile.

Rooms

Rooms allow you to share private calendars, group chats, photos or videos, and notes with only people you invite—such as family members, friends, or other groups.

The room displays four screens: **members**, **chat**, **calendar**, **photos**, and **notes**.

Note: A Family Room comes pre-loaded to get you started, and you can create new ones.

Creating a New Room

Use the following procedure to create a new room.

1. From the Home screen, touch **People**.
2. Swipe to the **together** list, then touch . The **ADD NEW** menu appears.
3. Touch **Room**. The **NAME YOUR ROOM** screen appears with the room name field highlighted.
4. Enter a room name.
5. Touch **save**. The **EDIT ROOM** screen appears.
6. To invite members to the room, touch . The **TEXT AN INVITE** screen appears.
7. Scroll through your contacts and touch a contact to send an text invitation to the room.
8. Repeat Steps 6 and 7 until you have invited all your members. Touch .
9. To change a room member's preferred phone number or email address or to remove a member from the room, touch an entry in the list of group members.
10. Touch **save** to save your changes.

Using Rooms

Once you have created a room, there are several options available for editing, deleting, and so on.

1. From the Home screen, touch **People**.
2. Swipe to the **together** menu, then scroll down and touch the room that you want to display.
3. Touch **text** to send a text message to all members of the room.
4. Touch **email** to send an email message to all members of the room.

5. Touch **edit room** to display the EDIT ROOM screen.
   - Touch **add member** to add more members to the room.
   - Touch an entry in the list of room members to change that person's preferred phone number or email address or to remove the contact from the room.
   - Touch .
6. Touch **menu**:
   - Touch **pin to start** to pin the room to the Home screen.
   - Touch **choose background** to change the background of the room.
   - Touch **rename** to rename the room.
   - Touch **delete room** to delete the room.
   - Touch **learn about rooms** for more information.

Using the Room Calendar

The room has a shared calendar which all members can view and update.

1. From the Home screen, touch **People**.
2. Swipe to the **together** list, then touch the room you want to view.
3. Swipe to the **calendar** screen.
4. Touch an entry to view details.

Display Today's Date

- Touch **today**. The calendar will return to today's date.

Creating a New Appointment

1. Touch **new**. The **NEW APPOINTMENT** menu appears.
2. Touch each field to enter information about the appointment: subject, location, time and duration, a reminder, reoccurrence (if needed), set your status, and notes.
3. Touch **save**.

Display Month View

1. Touch **month**. The calendar will switch to month view.
2. Swipe up and down to move between months.
3. Touch **Back** to return to the main calendar screen.

Calendar Options

1. Touch **menu**:
   - Touch **refresh** to resync the calendar with the latest updates from members.
   - Touch **pin to start** to pin the room to the Home screen.
   - Touch **show all calendars** to view all your calendars at once.
   - Touch **choose background** to change the background of the room.
   - Touch **rename** to rename the room.
   - Touch **delete room** to delete the room.
   - Touch **learn about rooms** for more information.

Using Room Notes

The room has shared notes which all members can view and update.

1. From the Home screen, touch **People**.
2. Swipe to the **together** list, then touch the room you want to view.
3. Swipe to the **notes** screen.
4. Touch an entry to view details.

Creating a New Note

1. Touch **add**. The **SHARED NOTES** screen appears.
2. Use the on-screen keyboard to enter a note.
3. Touch the **Enter title** field to enter a note title.
4. Touch **Back** to preview the note, then touch **Back** again to return to the main notes screen.

Note Options

1. Touch **menu**:
   - Touch **refresh** to resync notes with the latest updates from members.
   - Touch **pin to start** to pin the room to the Home screen.
   - Touch **choose background** to change the background of the room.
   - Touch **rename** to rename the room.
   - Touch **delete room** to delete the room.
   - Touch **learn about rooms** for more information.

Using Room Chat

You can chat with members of the room who are currently online using Messenger.

1. From the Home screen, touch **People**.
2. Swipe to the **together** list, then touch the room you want to view.
3. Swipe to the **chat** screen.
4. Touch the chat on Messenger field and use the on-screen keyboard to enter a chat message.
5. Touch **send** to send your chat message.

Sending Your Location

You can send your location to other chat members.

1. Touch location. The **SHARED NOTES** screen appears.
2. If prompt, touch **allow** to give Messenger permission to send your location to others.
3. Your location appears on a map. Touch **send** to send your location to others in a chat message.

Using Voice Recognition

You can use voice recognition software to convert your speech into text for use in a chat message.

1. Touch **speak**.
2. The **Listening...** screen appears.
3. Speak normal, and touch **Go**. Your speech will be converted to text and sent in a chat message.

Chat Options

1. Touch **menu**:
   - Touch **delete thread** to delete all messages in this thread on your phone, but not from the phones of other room members.
   - Touch **pin to start** to pin the room to the Home screen.
   - Touch **choose background** to change the room's background.
   - Touch **rename** to rename the room.
   - Touch **delete room** to delete the room.
   - Touch **learn about rooms** for more information.

Using Room Photos

You can share photos and videos with all room members.

1. From the Home screen, touch **People**.
2. Swipe to the **together** list, then touch the room you want to view.
3. Swipe to the **photos** screen.
4. Touch an entry to view details, or touch **see all photos** for more photos.

Display Today's Date

- Touch **today**. The calendar will return to today's date.

Adding Photos and Videos

1. Touch **add**. The **ADD SOMETHING** screen appears.
2. Touch **photo** or **video**.
3. Select photos or videos from your albums, and then touch .

   – or –

   Touch **camera** take a new photo (this option is not available for video). Touch **accept**.
4. The photos or videos will appear on the main Photos screen.

Photos Options

1. Touch **menu**:
   - Touch **refresh** to resync photos with the latest updates from members.
   - Touch **pin to start** to pin the room to the Home screen.
   - Touch **choose background** to change the room's background.
   - Touch **rename** to rename the room.
   - Touch **delete room** to delete the room.
   - Touch **learn about rooms** for more information.

Section 5: Messaging

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging.

Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture) Messages
- Email Messages
- Online Messages

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your Service Provider's message service.

Important! When creating a message, adding an image to a text message changes the message from a text message to a multimedia message.

When messages are received, the number of messages displays in the Messaging Tile on the Home screen.

Creating and Sending Text Messages

To create a new message and send it to another mobile phone or an email address:

1. From the Home screen, touch **Messaging**.
2. Touch **new**.
3. Touch the **To** field to manually enter a recipient. Touch the **123** key on the on-screen keyboard to enter a phone number.

   – or –

   Touch the button to the right of the **To** field to select a recipient from your People list. Valid entries must have a wireless phone number. Contacts with only an email address are not listed.
4. Touch the button to add additional recipients from your People list. Each contact is placed in the **To** field separated by a semicolon (;).

   – or –

   Manually add more recipients by touching the **To** field.

Note: Each additional recipient entry must be separated by a semicolon (;).

5. To remove recipients, touch and hold the entry in the **To** field, then touch **remove** on the popup menu. You can also **open** the contact's profile, **remove** or **copy** the recipient, or **cancel** and return to the New Message screen.
6. Touch the **type a text message** box and use the on-screen keyboard to type your message. (For more information, refer to *"Entering Text"* on page 32.)
7. Review your message and touch **send**.

Note: If you exit a message before you send it, the message is saved as a draft.

Voice to Text Messages

To create a new message using your voice:

1. From the Home screen, touch **Messaging**.
2. Touch **new**.
3. Touch the **To** field or touch the button to the right of the **To** field to enter a recipient.
   (For more information, refer to *"Creating and Sending Text Messages"* on page 59.)
4. Touch **speak** and say your message when **go** is displayed. When you stop speaking, your words are displayed.
5. To replace the message, touch **speak**. The original message is deleted and the new message is displayed.
6. Once your spoken message is correct, touch **send**.

Creating and Sending Multimedia Messages

A multimedia message is a message that contains attachments, such as a photo or video.

To create a multimedia message:

1. From the Home screen, touch **Messaging**.
2. Touch **new**.
3. Touch the **To** field or touch the button to the right of the **To** field to enter a recipient.

   (For more information, refer to *"Creating and Sending Text Messages"* on page 59.)
4. Touch the **type a text message** box and use the on-screen keyboard to type your message. (For more information, refer to *"Entering Text"* on page 32.)
5. Touch **attach** to add a picture, video, your current location, a voice note, or a contact to the message.
6. To remove an attachment, touch and hold the attachment, then touch **remove** from the pop-up menu.
7. Review your message and touch **send**.

Messaging Threads

Any messages you have sent or received can be viewed in the Messaging threads list.

Sent and received text, picture, and online messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged between you and a contact or contacts (similar to a conversation).

Message threads are listed in the order in which they were received, with the latest message displayed at the bottom.

Displaying a Messaging Thread

To view a messaging thread:

1. From the Home screen, touch **Messaging**, then swipe to the **threads** screen.

   The Messaging threads list displays all messages you have sent or received.

   - All messages to or from another phone or email address are grouped in one thread.
   - Entries in the Messaging threads list contain the recipient's phone number, contact name, or email address, the time that the last message was received or sent, and the first words of the message.
   - An entry for messaging threads with multiple recipients starts by indicating the number of recipients (such as **3 recipients**) and then the recipients are listed.

2. Touch an entry in the list. The Messaging thread displays. Each message to or from the recipient, and the time that the message was sent or received, is shown in a message box.

   Messages sent to you are shown in a **From** message box. Messages that you sent are shown in a **To** message box.

3. Touch the **type a text message** and use the on-screen keyboard to type a reply message to the recipient. (For more information, refer to *"Entering Text"* on page 32.)

Viewing a Picture Attachment

To view a picture attached to a message:

1. Touch an entry in the Messaging threads list.
2. Locate the message box that contains the picture attachment.
3. If the picture is not automatically displayed (based on your mobile data settings), touch **Get media content now** to download the attachment.
4. Touch the picture to open the picture viewer and display the picture. Pinch the screen with two fingers to zoom out or stretch the screen outward to zoom in.
5. Touch **Back** to return to Messaging threads.

(For more information about viewing pictures, see *"Viewing Pictures"* on page 82.)

Viewing a Video Attachment

To view a video attached to a message:

1. Touch an entry in the Messaging threads list.
2. Locate the message box that contains the video attachment. The file name is underlined.
3. Touch the video file name in the message box. The video player opens and plays the video.
4. To pause playback of the video attachment, touch **pause**.

   To continue playback of the video attachment, touch **play**.

   To close the video player, touch **Back**.

Listening to an Audio Attachment

To listen to an audio file attached to a message:

1. Touch an entry in the Messaging threads list.
2. Locate the message box that contains the audio file attachment. The file name is underlined.
3. Touch the file name to open the audio player and play the audio file.
4. To pause playback of the audio file, touch **pause**.

   To continue playback of the audio file, touch **play**.

   To close the audio player, touch **Back**.

Deleting a Messaging Thread

To delete a messaging thread:

1. From the Home screen, touch **Messaging**, then swipe to the **threads** screen.

   The Messaging threads list displays all messages you have sent or received.
2. Touch and hold a message in the list, then touch **delete** from the pop-up menu.

   – or –

   Touch a message in the list, then touch **menu** ➔ **delete thread**.
3. Touch **delete** to delete all messages in the selected thread, or touch **cancel** to return to the Messaging threads list.

Deleting a Message Within a Thread

To delete a message within a messaging thread:

1. Touch an entry in the Messaging threads list.
2. Touch and hold the message box that contains the message you want to delete.
3. Touch **delete** from the pop-up menu.
4. Touch **delete** to delete the message, or touch **cancel** to return to the Messaging thread.

Forwarding a Message

To forward a message:

1. Touch and hold the message box that contains the message you want to forward.
2. Touch **forward** on the pop-up menu. The New Message screen displays with the contents of the selected message included.
3. Touch the **To** field or touch the button to the right of the **To** field to enter a recipients. (For more information, refer to *"Creating and Sending Text Messages"* on page 59.)
4. Touch **send** to forward the message.

Copying a Message

To copy a message:

1. Touch and hold the message box that contains the message you want to copy.
2. Touch **copy** on the pop-up menu. The contents of the message box is copied to the clipboard.
3. The message can then be pasted into another message, email, etc.

Messaging Settings

To view and change messaging settings:

1. From the Home screen, touch **Messaging**.
2. Touch **menu** ➔ **settings**.

   The messaging settings screen displays. (For more information, refer to *"Messaging"* on page 142.)

Message Drafts

When you exit a message without sending, the message is automatically saved as a draft.

1. From the Home screen, touch **Messaging**.
2. Touch **menu** ➔ **drafts**.
3. Touch any message to resume editing. Once the message is sent, it will be removed from drafts.
4. To delete a draft, touch and hold the message. Touch **delete** on the pop-up menu. Touch **delete** again to permanently delete the message.

Online Messaging

Once you sign in to Windows Live, you have access to Windows Live Messenger and can chat with friends online. To set your status:

1. From the Home screen, touch **Messaging**.
2. Swipe to the **online** screen and touch **status**. The **SET CHAT STATUS** displays.
3. Touch one of the following options to set your chat status:
   - **available**: You are online and available to send and receive chat messages.
   - **busy**: You are online, but temporarily unavailable.
   - **away**: You are online, but unavailable for a period of time, such as at lunch.
   - **invisible**: You are online, but you appear as offline to others.
   - **offline**: You are offline.

Note: Touching any option other than offline causes your device to check and list who is online. Any contact who has a Windows Live email address is listed along with their status. Recent chat threads are also listed.

Using Email

Email enables you to review and create email using Hotmail, Outlook, Google, and other email services. You can also receive text message alerts when you receive an important email.

Note: The options on screens and in menus may vary depending on which email account you have enabled.

Setting Up an Email Account

To set up an email account:

1. From the Home screen, touch **Email**.

   – or –

   From the Home screen, touch **Email** ➔ **menu** ➔ **add email account**.

   – or –

   From the Home screen, touch **Settings.** Under the **system** menu, touch **email + accounts** ➔ **add an account**.

   The **ADD AN ACCOUNT** screen displays with the possible email services choices.

2. Touch an email service, such as Outlook, Hotmail, Yahoo! Mail, or Google.

   Touch **other account** to add other types of email accounts.

   For some email accounts, such as Microsoft Exchange, touch **advanced setup**. (For more information, refer to *"Advanced Email Setup"* on page 67.)

3. Enter your email address in the **Email address** field.
4. Enter your password in the **Password** field.
5. Touch **sign in**.

   If your email information is found, your account information is saved and your account is set up. Enter additional information if prompted.

Advanced Email Setup

For some email accounts, such as Outlook, entering your email address and password may not be enough information. You may need to enter additional information.

1. Touch **advanced setup**.

   The Advanced Setup screen displays.
2. Enter your Email address and Password and touch **Next**.

   The next another Advanced Setup screen displays.
3. Touch **Exchange ActiveSync** or **Internet email**, depending on the kind of account you want to set up.

Note: If you are not sure which option to choose, check with your service provider.

4. On the Exchange ActiveSync screen, enter the **Domain** and **Server** information and adjust any other information as necessary.

   – or –

   On the Internet Email Account screen, enter the **Incoming email server** and **Account type** information and adjust any other information as necessary.
5. Touch **sign in**.

Important! Only some “Plus” accounts include POP access allowing this program to connect. If you are not able to sign in with your correct email address and password, you may not have a paid “Plus” account. Launch the Web browser to access your account.

Checking Your Email

When you have new email, a number displays in the Email icon on the Home screen. To check your email:

1. From the Home screen, touch the email icon (such as **Hotmail**) of the account you want to check.

   The Inbox screen displays all emails in your inbox.
2. Swipe left or right to display **all**, **unread**, **flagged**, or **urgent** emails.

   A list of emails displays. For each email, the sender’s name, the day the email was sent, the subject of the email, and the first words of the email are displayed.

3. Touch an entry in the list to open the email.

   – or –

   Touch and hold an email entry in the list to display the following options: **delete**, **mark as unread**, **move**, **set flag**, **complete flag**, or **clear flag**. (Available options may differ depending upon your email service provider.)

Email Folder Options

The Inbox is one of several email folders. Options available while viewing a folder are located at the bottom of the screen.

Note: Available options may differ depending upon your email service provider.

The options are:

1. **new**: Create a new email.
2. **select**: Display the emails in this folder so they can be marked.
   - Touch to the left of an email in the list to mark it with a check mark.
   - Once you have marked the emails, touch: **delete** or **move**, or touch **menu** ➔ **mark as read**, **mark as unread**, **set flag**, **complete**, or **clear flag**.
3. **sync**: Synchronize your emails. (For more information, refer to *"Syncing Your Email Account"* on page 72.)
4. **search**: Use the keyboard to enter a word or phrase to search for in the current inbox.
5. **menu**: Display additional inbox options.
   - **folders**: Select which folders to display. Touch **show all folders** to display a list of inbox folders: **inbox**, **drafts**, **outbox**, **sent**, **trash**, and **Junk**.
   - **settings**: Displays additional settings.
     – **sync settings**: Displays the **sync settings** for this email account. (For more information, refer to *"Email Account Settings"* on page 71.)
     – **automatic replies**: Slide the **automatic replies** slider to the right to turn the option **On**. Send an automatic reply to each email you receive, such as an "out of office" notice. Touch the **type your message** field and use the on-screen keyboard to create your message.

– **Conversations**: Slide the **Conversations** slider to the right to turn the option **On**. Emails in your inbox are organized by conversation, bringing replies to a thread into a consolidated view so it is faster and easier to stay on top of the conversation. Touch the check box to show replies and email from all your synced folders.

– **Signature**: Slide the **Signature** slider to the right to turn the option **On**. Touch the **type your signature here** or **Sent from my Windows Phone** field and use the on-screen keyboard to create your signature.

– **Always bcc myself**: Always generate a blind copy of the email for yourself.

– **Use light background for email**: Use a light background while viewing emails.

- **link inboxes**: Displays this inbox and other inboxes which can link to it. (For more information, refer to *"Linked Inboxes"* on page 73.)
- **add email account**: Displays the ADD AN ACCOUNT screen. (For more information, refer to *"Setting Up an Email Account"* on page 66.)

Reading Emails

When you touch an email entry in a folder, such as the Inbox, the email displays. Swipe up and down the screen to move through the email. Swipe across the screen to view the email. Touch each side of the email and pinch inward or stretch outward to zoom in or out.

The options available while viewing an email are located at the bottom of the screen. The options are:

1. **respond**: Allows you to **reply**, **reply all**, or **forward**. In each case, a new email is started that contains the current email information.
2. **delete**: Delete the email being viewed.
3. **newer**: Display the next email in the current folder that was received at a more recent time.
4. **older**: Display the next email in the current folder that was received at a later time.
5. **menu**:
   - **toggle flag:** Flag or unflag the email. When an email is flagged, it appears in the flagged list of emails.
   - **mark as unread**: Mark the current email as unread.
   - **move**: Move the current email to another folder.

Creating and Sending an Email

To create a new email message and send it to another email address:

1. From the Home screen, touch an email icon (such as **Hotmail**).
2. Touch **new**. The New Email Message screen displays.
3. Touch the **To** field to manually enter a recipient. Use the on-screen keyboard to enter an email address.

   – or –

   Touch the button to the right of the **To** field to select a recipient from your People list. Valid entries must have an email address.
4. Touch the button to add additional recipients from your Contacts list. Each contact is placed in the **To** field separated by a semicolon (;).

   – or –

   Manually add more recipients by touching the **To** field.

Note: Each additional recipient entry must be separated by a semicolon (;). Touch **Enter** to type a semicolon.

5. Touch the **Subject** field and use the on-screen keyboard to enter a subject for your email.
6. Touch the body of the email and use the on-screen keyboard to enter your message. (For more information, refer to *"Entering Text"* on page 32.)

The options available while creating an email are located at the bottom of the screen. The options are:

1. **send**: After you review your message, touch **send** to deliver it.
2. **attach**: Allows you to choose a picture from Photos.
3. **close**: Allows you to save the email to the drafts folder or delete the email. Touch **Back** to cancel and keep editing the email.
4. **record**: Allows you to speak your message and have it converted to text.
5. **menu**:
   - **priority:** Allows you to set the email's priority to **high**, **normal**, or **low**.
   - **show cc & bb**: Allows you copy and blind copy additional recipients. Add recipients in these two fields similar to the way **To** recipients are added.

Email Account Settings

Once your email account is set up, you may want to adjust some of your settings.

Note: Available options may differ depending upon your email service provider.

1. From the Home screen, touch **Settings.** Under the **system** menu, touch **email + accounts**.
2. Touch the email entry (such as Hotmail).

   The settings for your email account display.
3. Touch the field that contains the information you want to change.

   The following fields display depending on the email account:
   - **Account name**: Use this field to change the name that appears on your phone for this account.
   - **Email address**: Displays the email address for this account.
   - **Download new content**: Allows you to set how often you want your phone to download new emails for this account. Possible values are: as items arrive, every 15 minutes, every 30 minutes, hourly, daily, and manually. (If you choose manually, see *"Syncing Your Email Account"* on page 72.)
   - **Download email from**: Allows you to limit the email downloaded to your phone for this account. Possible values are: the last 3 days, the last 7 days, the last 2 weeks, the last month, and any time.
   - **Content to sync**: Indicates which content to synchronize between your phone and the account, such as, Email, Contacts, Calendar, and so on.
   - **User Name**: This is the name that appears on your messages.
   - **Incoming email server**: Displays the incoming email server name.
   - **Your name**: Displays your name.
   - **Password**: Displays your password.
   - **Outgoing (SMTP) email server**: Displays the outgoing email server name.

Touch the following to check or uncheck the option:

- **Outgoing server requires authentication**: Access to server requires authentication.
- **Use the same user name and password for sending email**: Use same login information for both outgoing and incoming email.
- **Require SSL for incoming email**: Use SSL security for incoming email.
- **Require SSL for outgoing email**: Use SSL security for outgoing email.

Note: Some fields on this screen should not be changed without consulting your service provider.

Deleting an Email Account

To delete email accounts (other than your Microsoft account):

1. From the Home screen, touch **Settings.** Under the **system** menu, touch **email + accounts**.
2. Touch and hold the email account that you want to delete.
3. Touch **delete** from the pop-up menu to delete the account.

Note: Your Microsoft account cannot be deleted.

Syncing Your Email Account

In order to view email messages on your phone for any email account, content has to be downloaded to your phone. *Syncing* is simply downloading updated content from your email provider, as well as sending updated content from your phone back to the server.

Use the following method if you choose to download new content manually:

1. From the Home screen, touch **Settings.** Under the **system** menu, touch **email + accounts**.
2. Touch and hold the email account that you want to sync.
3. Touch **sync** from the pop-up menu.
4. **Syncing...** displays beneath the account name while your phone syncs content with your email provider.

Linked Inboxes

Each time you add a new email account, a Tile with the email account name is added to the Home screen and to the App List.

When you add more than one email account, it is possible to link two or more email accounts so you can see all messages from those accounts in one inbox. When email accounts are grouped in this way, one Tile is displayed on the Home screen for each linked group instead of the individual email Tiles. Linked inboxes can be renamed.

Creating Linked Inboxes

To create linked inboxes:

1. From the Home screen, touch the Tile for one of the email accounts that you want to link (such as **Hotmail**) and then touch **menu** ➔ **linked inboxes**. This inbox and other inboxes to which it can be linked are displayed.
2. Touch one or more of the other inboxes that you want to link to this inbox.
3. Touch **rename linked inbox** to give the linked inboxes a new name.
4. Touch **Back** to exit.

Unlinking Inboxes

To unlink inboxes:

1. From the Home screen, touch a linked inbox and then touch **menu** ➔ **linked inboxes**.
2. Touch the email account listed under **this inbox** that you want to unlink.
3. Touch **unlink** to unlink the inboxes. The unlinked email account is displayed under **other inboxes**, and will have its own Tile on the Home screen and App List.
4. Touch **Back** to exit.

Setting Up a Microsoft Account

When you set up a Microsoft account, you are doing more than just setting up an email account. You can get apps, play Xbox LIVE games, and more.

1. From the Home screen, touch **Settings.** Under the **system** menu, touch **email + accounts**.
1. Touch **Microsoft account**. The **BEFORE YOU SIGN IN...** screen displays.
2. Read the information, including the Windows Phone Terms of Use, and touch **next**.
3. Touch the **Microsoft account** field and enter your email address.
4. Touch the **Password** field and enter your password. Touch **Show password** to display the characters.
5. Touch **Allow Microsoft to email me information and tips about my Windows Phone** to enable this option.
6. Touch **sign in**.
7. Follow the instructions to set up your Microsoft account to use SkyDrive, sync your text messages, and back up your phone settings.

Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including Music Player, Video Player, Gallery, Camera, and Camcorder.

Xbox Music Pass

Xbox Music Pass is a monthly music subscription service giving you unlimited access to millions of songs. Download or stream as many songs as you like and listen to them for as long as your subscription is up to date. On your Windows Phone, the streaming feature requires wireless network access. Carrier fees may apply.

For more information, go to xbox.com/music.

Note: Before using Xbox Music to buy music, you must set up a free Microsoft Live account. (For more information, refer to *"Setting Up a Microsoft Account"* on page 74.)

Music + Videos

This section explains how to access music, videos, and podcasts on your phone. Navigate the **Music + Video** app as follows:

1. From the Home screen, touch **Music + Videos**.
2. Swipe left or right across the screen to view the following menus:
   - **collection**: Displays media categories such as music, video, and podcasts, as well as a link to the Store app.
   - **history**: Displays thumbnails that indicate songs or videos you have recently played. Touch the thumbnail to return to replay that song or video.
   - **new**: Allows you to play music, videos, and podcasts downloaded from your PC, as well as media stored on a memory card. It also gives you access to the music area of the Xbox Music Store.
   - **apps**: Displays music and video apps.
   - **xbox**: Displays featured artists from the Xbox Music Store. Touch a thumbnail to play the song and see more details about the artist from the Xbox Music Store.

Adding New Music and Videos

To add new music and videos with your Xbox Music Pass:

1. From the Home screen, touch **Music + Videos**.
2. Swipe left or right across the screen to view the **new** menu.
3. Touch **Xbox Music Pass**.
4. Sign in with your account information, and follow the online prompts to download new music and videos.

To add new music and videos from your computer:

1. From the Home screen, touch **Music + Videos**.
2. Swipe left or right across the screen to view the **new** menu.
3. Touch **Connect to your computer to add stuff**.
   There are several ways available to transfer music and videos between your phone and computer, such as using the cloud (Internet storage such as SkyDrive), using a USB cable, using a Windows phone app, etc.
   Select the appropriate set up for your phone, and follow the online instructions to install and use the file transfer software of your choice.

Playing Music

To play music with using Music + Videos:

1. From the Home screen, touch **Music + Videos**.
2. Swipe left or right across the screen to view the **collection** menu.
3. Touch **music**. Songs are organized by artists, albums, songs, playlists, and genres.
4. Touch and hold a song to display the following option:
   - **add to now playing**: Add the selected song to the list of songs currently playing.
   - **play smart dj mix**: Play your Smart DJ mix. Smart DJ is a dynamic way to launch instant mixes based on any album, artist, or song in your collection. Using criteria you provide, Smart DJ selects similar songs from your collection and suggests songs from Xbox Music. You can also create Smart DJ playlists and sync them to your phone. (For more information, go to xbox.com/music.)

- **share**: Allows you to share the song with Tap + Send or via an account or connection. (Note that sharing may be restricted for some content due to copyright protection.)
- **pin to start** (albums only): Allows you to add a Tile on the Home screen for this album. (For more information, refer to *"Moving Application Tiles on the Home Screen"* on page 30.)
- **delete**: Delete the song.

5. Touch the song that you want to play. Song details such as artist and time information (time played and time remaining) are displayed.
6. The following music controls are available:
   - **Pause** the music.
   - **Play** the music after being paused.
   - Touch and hold to **rewind** the music. Tap twice to play the previous song.
   - Touch and hold to **fast-forward** the music. Touch to play the next song.Playing Videos.

Playing Videos

1. From the Home screen, touch **Music + Videos**.
2. Swipe left or right across the screen to view the **collection** menu.
3. Touch **videos**. Videos will be organized by **all**, **tv**, **music**, **movies**, and **personal**. Your personal videos are displayed in the **all** and **personal** categories. Videos that have been downloaded from your PC will be displayed under **tv**, **music**, and **movies**.
4. Touch and hold a video thumbnail to display the following option:
   - **pin to start**: Allows you to add a Tile on the Home screen for this video. (For more information, refer to *"Moving Application Tiles on the Home Screen"* on page 30.)
   - **delete**: Delete the video.
5. Touch the video that you want to play. The video begins to play in landscape mode. At the bottom of the screen, the video file name, the video controls, and the time information (time played and total time) are displayed.

6. The following video controls are available:
   - **Pause** the video.
   - **Play** the video after being paused.
   - Touch and hold to **rewind** the video.
   - Touch and hold to **fast-forward** the video.
   - Display the video in **full screen** mode (some distortion may occur).
   - Display the video in a **ratio** mode (the video will be scaled down to fit within the display without distortion).

Note: If no control icons are displayed on the screen in addition to the picture, touch anywhere on the screen to display them.

7. Touch **Back** to return to the **thumbnails** screen.

Podcasts

1. From the Home screen, touch **Music + Videos**.
2. Swipe left or right across the screen to view the **collection** menu.
3. Touch **podcasts**. Podcasts are organized by audio and video.
4. A thumbnail, the podcast name, the category, and the date created are displayed for each file.
5. Touch and hold a podcast thumbnail to display the following option:
   - **pin to start**: Allows you to add a Tile on the Home screen for this podcast. (For more information, refer to *"Moving Application Tiles on the Home Screen"* on page 30.)
   - **delete**: Delete the podcast.
6. Touch the podcast that you want to play.

   The podcast begins to play in portrait mode. The time information (time played and time remaining) display at the bottom, and the podcast controls are displayed at the top.
7. The following podcast controls are available:
   - **Pause** the podcast.
   - **Play** the podcast after being paused.
   - **Rewind** the podcast 30 seconds. Touch and hold to slowly rewind through the podcast.
   - Touch and hold to **fast-forward** the podcast 30 seconds. Touch and hold to slowly fast-forward through the podcast.

Store

To visit the music area of the Store app from **Music + Videos**:

1. From the Home screen, touch **Music + Videos**.
2. Swipe left or right to view the **collection** menu, then touch **store**.
3. Touch **music**. The **artist of the week** displays.
4. Swipe left or right to view more music categories. The choices are: **artist of the week**, **spotlight**, **new releases**, **top albums**, **top artists**, and **genres**.
   - **artist of the week**: Displays the artist's album, the songs on the album, and the cost of each song. Touch the artist's name to view more albums. Touch and hold on a song to buy the song or share it with friend in a message.
   - **new releases**: Displays recently released albums and songs. Touch an album thumbnail to play sample music.
   - **top albums**: Displays one or more popular albums and the songs on the albums. Touch an album thumbnail to play sample music.
   - **top artists**: Displays one or more popular artists. Touch an artist thumbnail to play sample music.
   - **genres**: Allows you to access music based on your music genre preferences. Touch the name of a music genre to view new releases, top songs, top albums, top playlists, and top artists for that genre.
   - **spotlight**: Displays one or more featured artists. Touch an artist's name to display their albums and songs.
5. Touch any item to browse, review, or purchase.

Photos

The Photos application is where you view photos and play back videos. You can set photos as your lock screen background or share them as a picture message. And you can use your camera to scan barcodes, QR Codes, Microsoft Tags, books, CD's, and other DVD's and get more information on these products with your Internet browser.

Uploading To SkyDrive

Windows Live SkyDrive provides free storage so you can store photos online, share them with the people you choose, and access them from any web browser. Various options include **share on SkyDrive** if you have set up a Microsoft account.

For more information about SkyDrive, go to explore.live.com and click on **SkyDrive**.

Accessing Pictures and Videos

When you take a photo or shoot a video, the file is saved so you can view your photos and videos at any time. To access photos and videos:

1. From the Home screen, touch **Photos**.
2. Photos and videos are displayed depending on which option you choose:
   - **camera roll**: Thumbnails are displayed for taken photos and videos.
   - **albums**: Thumbnails are displayed for groups of pictures such as Camera Roll, Screenshots, etc. Other albums are displayed depending on the accounts you have set up such as Microsoft, Facebook, and so on.
   - **date**: Thumbnails of all photos and videos are displayed in order of month and year created.
   - **people**: Thumbnails are displayed of all People photos that you have viewed from your accounts, such as Facebook, Twitter, and LinkedIn. You can also touch **choose contact** and touch a contact to load that contact's posted pictures.

3. Swipe left across the screen to view the following menus:
   - **favorites**: Photos added to favorites can set to display on the animated Photos Tile on the Home screen, or may be pinned there for one-tap access.
   - **what's new**: Displays photos posted by your contacts on your synchronized accounts, such as Facebook, Twitter, and LinkedIn.
   - **apps**: Get direct access to photo apps such as Live Wallpaper and Photo Editor.

Thumbnail Options

1. When viewing groups of thumbnails, additional options may be available. After touching an option below, touch one or more thumbnails to select. A check mark indicates selection (touch again to deselect).
2. Touch **select** to display the following options:
   - **favorite**: Adds the photo(s) to your favorites.
   - **delete**: Deletes the photo.
   - **share**: Share the photo(s) via Tap + Send.
3. Touch **menu** to display the following options:
   - **select all**: Selects all thumbnails.
   - **save to SkyDrive**: Saves the selected photo(s) to the SkyDrive.
   - **save to SD card**: Saves the selected photo(s) to the SD card (if installed).
   - **save to phone**: Saves the selected photo(s) to the phone's storage.

Viewing Pictures

Once you locate the photo you want to view:

1. Touch the thumbnail to view the picture.
2. While viewing a photo, touch each side of the photo and pinch inward or stretch outward to zoom in or out.

   – or –

   Tap the screen twice to zoom in or out.

   You can magnify the photo up to 400 percent.

   Touch and slide a magnified photo to move the focus to the area you touch.
3. Swipe across the screen to the right or left to view more photos and videos.
4. Touch and hold a photo or touch **menu** to display the following options:
   - **share...**: Share the photo with others. Options are:
     - **Tap + Send**: Shares the photo to another Tap + Send device.
     - **Bluetooth**: Shares the photo via Bluetooth.
     - **Messaging**: Opens a **New Message** screen with the photo in-line. (For more information, refer to *"Creating and Sending Multimedia Messages"* on page 61.)
     - **Email**: Opens a **New Email** screen with the photo in-line. This option varies depending on how you have your email set up.
     - **Facebook**, **Twitter**, **LinkedIn**: Upload the photo to a synchronized account.
     - **MiniDiary**: Adds the photo to today's MiniDiary entry.
     - **OneNote**: Adds the photo to OneNote as a Quick Note.
   - **edit**: Automatically adjust the photo. Options are **rotate**, **crop**, and **fix** (auto color adjustment). If you like the changes, touch **Save** to replace the original photo.
   - **delete**: Delete the photo or video.
   - **add to favorites/remove from favorites**: Add the photo to favorites (or remove from favorites).
   - **set as lock screen**: Sets the photo as the lock screen background.
   - **save to SkyDrive**: Upload the photo to SkyDrive. (See *"Uploading To SkyDrive"* on page 80.)
   - **apps...**: Edit the photo with your installed photo editing apps.

Note: If your device displays that the memory is full when you access **Pictures**, delete some of the files.

5. Touch **Back** to return to the thumbnails screen.

Viewing Videos

To view a video:

1. Touch the video that you want to play. The video begins to play in landscape mode. At the bottom of the screen, the video file name, the video controls, and the time information (time played and total time) are displayed.
2. The following video controls are available:
   - **Pause** the video.
   - **Play** the video after being paused.
   - Touch and hold to **rewind** the video.
   - Touch and hold to **fast-forward** the video.
   - Display the video in **full screen** mode (some distortion may occur).
   - Display the video in a **ratio** mode (the video will be scaled down to fit within the display without distortion).

Note: If no control icons are displayed on the screen in addition to the picture, touch anywhere on the screen to display them.

3. Touch and hold a video or touch **menu** to display the following options:
   - **share...**: Share the photo with others. Options are:
     - **Tap + Send**: Share the photo by tapping your phone to another device.
     - **Bluetooth**: Shares the video via Bluetooth.
     - **Messaging**: Opens a **New Message** screen with the photo attached. (For more information, refer to *"Creating and Sending Multimedia Messages"* on page 61.)
     - **Email**: Opens a **New Email** screen with the photo in-line. This option varies depending on how you have your email set up.
   - **delete**: Delete the photo or video.
   - **save to SkyDrive**: Upload the photo to SkyDrive. (See *"Uploading To SkyDrive"* on page 80.)
4. Touch **Back** to return to the thumbnails screen.

Note: You can also play videos from **Music + Videos**. (For more information, refer to *"Playing Music"* on page 76.)

Camera

This section explains how to use the camera and the camcorder on your phone. You can take photographs and shoot videos by using the built-in camera functionality. Your 5 megapixel camera produces photos in JPEG format.

To activate the camera:

- From the Home screen, swipe left to display the App list. Then touch **Camera**.

  – or –

  Press the **Camera** key.

Adding a Location Tag to Your Pictures

The first time you open the Camera application, you are asked if a tag location (known as Geotagging) can be added to your pictures. This allows you to see where your pictures were taken.

Caution! Be aware that your location may be present on a photo when posting your photos on the internet.

If you are interested in this service:

1. Touch **Privacy Statement** to view the Windows Phone 8 Privacy Statement Highlights document.
2. Touch **allow** or **cancel** to accept or reject location tagging.

Camera and Camcorder Mode

To toggle between Camera and Camcorder mode:

- Touch the **Camera** or **Camcorder Mode** icon ( ).

Once you change the mode, the corresponding settings appear. (For more information, refer to *"Camera and Camcorder Settings"* on page 88.)

Taking Photos

Taking photos with your device's built-in camera is as simple as choosing a subject, pointing the camera, and pressing the camera key.

Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

To activate the camera mode:

1. From the Home screen, swipe left to display the App list. Then touch **Camera**.
   – or –
   Press the **Camera** key .
2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.

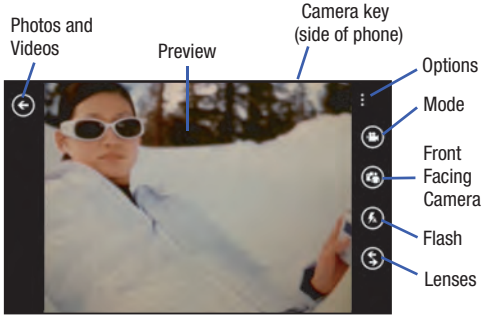
Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

3. Before you take a photo, pinch the screen to zoom out or stretch the screen to zoom out. You can magnify the picture up to 400 percent.
4. Touch to turn the flash On. Touch to turn the flash Off. To use the automatic flash, touch .
5. To take a picture of yourself, touch **Front-facing camera** to enable or disable the front-facing camera.

6. If desired, before taking the photo, you can touch **menu** to access various photo and video settings. (For more information, refer to *"Camera and Camcorder Settings"* on page 88.)
7. Press the **Camera** key until the shutter sounds.

   – or –

   Tap the screen.



Photos are automatically stored within your designated storage location.

Lenses

Your camera can scan barcodes, QR Codes, Microsoft Tags, books, CD's, and other DVD's and instantly retrieve information about these products using specialty apps called Lenses. Text may also be scanned and translated or searched.

To use lenses:

1. From the Home screen, swipe left to display the App list. Then touch **Camera**.

   – or –

   Press the **Camera** key ( ).
2. Touch **Lenses**, then touch a lense to use.

Note: Touch **find more lenses** to download additional scanning software and features.

Bing Vision

1. From the Home screen, swipe left to display the App list. Then touch **Camera**.

   – or –

   Press the **Camera** key ( ).
2. Touch **Lenses** ➔ **Bing Vision**.
3. Focus on the code or tag until the camera recognizes it and displays a thumbnail of it. If the item is correctly identified, touch the thumbnail to launch a Bing search for the product. (If the item is not identified or incorrect, try scanning the code or tag again.)
4. Touch **history** to see recently scanned items.
5. Touch **scan text** to search text. Once scanned, each word is highlighted.
   - Touch **translate** and select a target language. Each highlighted word is then translated.
   - To search on a word or words, touch each word to add to the search bar at the top. Touch the search bar and use the keyboard to edit any word if necessary. Touch **search** to perform a Bing search on the selected word(s).

Shooting Videos

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the Home screen, swipe left to display the App list. Then touch **Camera**.

   – or –

   Press the **Camera** key ( ).
2. Touch the **Camera** or **Camcorder Mode** icon ( ) to switch to Camcorder mode ( ).
3. To shoot a video of yourself, touch **Front-facing camera** to enable or disable the Front Facing Camera.
4. Touch to turn on the camcorder's light while recording. Touch to turn the light off.
5. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.

6. Press the **Camera** key ( ) to begin shooting video.
7. Press the **Camera** key ( ) to stop the recording and save the video file to your Pictures folder.

Camera and Camcorder Settings

1. For photo options, touch **menu** ➔ **photo settings...** The following options are available:
   - **Focus Mode**: Set focus to Normal or Macro.
   - **Anti-Shaking**: Set anti-shaking correction to Off or On.
   - **White Balance**: Set this option to one of the following choices: Auto (default), Cloudy, Daylight, Fluorescent, or Tungsten.
   - **ISO**: Determines how sensitive the image sensor is to light. Valid values are: Auto, 100, 200, 400, or 800.
   - **EV**: Helps you avoid underexposed (too dark) or overexposed (too light or white) photos. Options are: -2 (minimum), -1 (low), 0 (medium), 1 (high), or 2 (maximum).
   - **Effects**: Change the color tone or apply special effects to the photo. Options include: Off (default), Negative, Sepia, Mono, Washed, Vintage Warm, Vintage Cold, Solarize, Posterize, Point Blue, Point Red-Yellow, Point Green, or Cartoonize.
   - **Photo Resolution**: Set the image size. Options include: 2592x1944, 2048x1536, 1920x1080, 1600x1200, 1280x960, 1280x720, or 640x480.
2. For video options, touch **menu** ➔ **video settings...** The following options are available:
   - **White Balance**: Set this option to one of the following choices: Auto (default), Cloudy, Daylight, Fluorescent, or Tungsten.
   - **Effects**: Change the color tone or apply special effects to the video. Options include: Off (default), Negative, Sepia, Mono, Washed, Vintage Warm, Vintage Cold, Solarize, Posterize, Point Blue, Point Red-Yellow, Point Green, or Cartoonize.
   - **Photo Resolution**: Set the video size. Options include: 1920x1080, 1280x720, or 640x480.

Accessing Photos and Videos

When you take a photo or shoot a video, the file is saved in the Photos folder. You can view your photos and videos immediately or view them anytime in the **camera roll** folder.

- From the Home screen, touch **Photos**. (For more information, refer to *"Photos"* on page 80.)

Assigning an Image to a Contact

The Camera can also be used to create an image that can be assigned to the profile of one of your contacts or to your Me profile.

1. From the Home screen, touch **People**.
2. From the **People** menu, touch the contact that you want to edit.
3. At the **profile** screen, touch **edit** at the bottom of the screen.
4. Touch **add photo** ➔ **camera**.
5. Take a photo and touch **accept** or **retake**.
6. Crop the photo by touching each side of the photo and swiping inward or outward to zoom in or out within the crop area. Touch and slide the photo to move it within the crop area.
7. Touch to assign the cropped photo to the contact. (For more information, refer to *"Your People List"* on page 44.)

Setting a Photo as Your Lock Screen Background

You can set a photo as your Lock screen background immediately. (For more information, refer to *"Changing the Lock Screen Wallpaper"* on page 30.)

Photo Editor

Photo Editor is the ultimate photo editor for your Windows Phone, combining an easy interface and professional grade tools and effects.

1. From the Home screen, touch **Photo Editor**.
2. There are three ways to select a photo for editing:
   - Touch a thumbnail of a recently taken photo.
   - Touch **select photo** to choose a photo to edit.
   - Touch **camera** to take a new photo.

   The **PHOTO EDITOR** screen is displayed.
3. Touch **Edit** to resize, rotate, or crop the photo.
   - **Resize**: Change the photo's size. Preset options are 25%, 50%, 75% or 100%.
   - **Rotate**: Change the photo's orientation. Options are 90° clockwise, 90° anticlockwise, Flip vertically, or Flip horizontally.
   - **Crop**: Crop the photo. Options are Free ratio, 1:1, 3:4, 9:16, or Lasso.
4. Touch **Color** to change the photo's overall color. Options are Original, Auto adjustment, Brightness, Contrast, Saturation, Adjust RGB, Temperature, Exposure, Hue, Darken, and Lighten.
   - Touch the **color tool icons** to apply the effect. Some color tools will display adjustment controls.
   - Touch **original** to remove the color change.
5. Touch **Effect** to add a special effect to the photo. Options are Original, Vintage, Old photo, Pop art, Grey-scale, Sepia, Retro, Sunshine, Downlight, Blue wash, Nostalgia, Yellow glow, Faded colors, Invert, Cartoonify, Sharpen, Soft glow, Magic pen, Oil paint, Posterise, Sketch, Blur, Red eye, Tilt shift, Pixelise, Sphericity, Twirl, and Mirror.
   - Touch the **effect tool icons** to apply the effect. Some effects tools will display adjustment controls.
   - Touch **original** to remove the effect.

6. Touch **Decoration** to add a decoration to your photo.
   - **Frame**: Add a frame to your photo. Choose from several styles and colors.
   - **Sticker**: Add clip art to your photos. Choose from Brushes, Comics, Papers, and Graphical images.
   - **Multi-grid**: Take multiple separate photos and mix them together. Options are Split in 2, Split in 3, or Split in 4.
7. Touch **Undo** to remove the last edit.
   Touch **Redo** to reapply the last edit.
8. Touch **Share** to share the photo via Tap + Send, Bluetooth, Messaging, an email account, add the photo to today's MiniDairy entry, or add the photo to OneNote as a Quick Note.
9. Touch **Cancel** to close the photo without saving changes.
10. Touch **menu** to display these options.
    - **select picture**: Select a picture to edit from Photos.
    - **take picture**: Take a new photo using the camera.
    - **use as wallpaper**: Set the photo as the Lock screen background.
11. Touch **Save** to save the changes to the photo.

Section 7: Applications

This section contains a description of each application that is available in the App List, its function, and how to navigate through that particular app. If the app is already described in another section of this user manual, then a cross reference to that particular section is provided.

Tip: To open apps quickly, add the icons of frequently-used applications to one of the Home screens. (For details, see *"Customizing Your Home Screen"* on page 29.)

GPS Applications

GPS applications allow you to achieve real-time, GPS-enabled, turn-by-turn navigation and to access local searches based on a variety of category parameters.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Global GPS turn-by-turn navigation, mapping, and Point of Interest content is available for three continents, including North America (U.S., Canada, and Mexico), Western Europe, and China, where wireless coverage is available.

Important! If you touch or cover the internal GPS antenna while using GPS services, it may impede the GPS signal resulting in the GPS services not working in an optimal manner. Refer to the following diagram for the approximate location of your phone's internal GPS antenna.

Location of Internal GPS Antenna

(back view of phone)

Accessing the App List

To display the App List:

- From the Home screen, swipe the screen left to display the App List.

Alarms

The Alarms application allows you to access and set alarms.

Setting a New Alarm

1. From the App List, touch **Alarms** ➔ **add**.
2. Touch the **Time** field then use your finger to swipe the hour and minute fields to set the time you want for the alarm.
3. Touch the **Repeats** field if you want the alarm to sound on multiple days instead of **only once**. Touch the days that you want the alarm to sound.
4. Touch the **Sound** field and touch the sound title you want. You can hear a sample by touching **play** next to the sound name.
5. Touch the **Name** field and use the keyboard to enter a name for this alarm.
6. Touch **save** to save the alarm.

Turning Off an Alarm

To turn off an alarm when it sounds:

- Touch **dismiss** on your display to stop the alarm.

  – or –

  Touch **snooze** to temporarily stop the alarm.

Changing an Alarm

To make changes to an existing alarm:

1. From the App List, touch **Alarms**.
2. Touch the alarm you want to change.
3. Touch and change fields. (For more information, refer to *"Setting a New Alarm"* on page 93.)
4. Touch **save** to save the updated alarm.

Deleting an Alarm

To delete an alarm:

1. From the App List, touch **Alarms**.
2. Touch the alarm you want to delete.
3. Touch **delete** to delete the alarm.

Calculator

The Calculator application provides basic arithmetic functions: addition, subtraction, multiplication, and division. You can also store numbers in memory.

1. From the App List, touch **Calculator**.
2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by touching the corresponding on-screen arithmetic function key.
4. Enter the second number.
5. To view the result, touch equals (**=**).

Note: In Portrait Mode, the Calculator application provides basic functions. To perform more complicated calculations, rotate the phone to Landscape Mode. A scientific calculator displays.

Calendar

With the Calendar feature, you can consult the calendar by day or month. You can also create appointments and have them displayed on your agenda.

1. From the App List, touch **Calendar**.
   The **day** screen displays.
2. Swipe your screen to the left to display the **agenda** view, which displays all of your appointments.
3. Swipe your screen to the left again to display the **to-do** view.
4. Touch one of the following options on the **day** or **agenda** views:
   - **today**: Displays the current month and day.
   - **new**: Touch the new icon to create a new appointment for your calendar.
   - **month**: Touch the month icon to display the month view.

Appointments

The **agenda** screen displays all events that you have added for all dates in the order that they appear.

Create a New Appointment

To create a new appointment:

1. From the App List, touch **Calendar**.
2. Touch **new** to create a new appointment.
3. Enter the appointment information: Subject, Location, When (date, time) How long, Reminder, Occurs, Status, Attendees (add someone), Private, and Notes.
4. Touch **save**.

Edit an Appointment

To edit an appointment:

1. From the **agenda** screen, touch any appointment to display the **Appointment details** screen.
2. Touch **edit**. The **EDIT APPOINTMENT** screen displays.
3. Touch the field(s) you want to change.
4. Touch **save** when you are finished.

Delete an Appointment

To delete an appointment:

1. From the **agenda** screen, touch any appointment to display the **Appointment details** screen.
2. Touch **delete** to delete an appointment.
3. At the **Delete appointment** prompt, touch **delete**.

To-Dos

The **to-do** screen displays all to-do entries that you have added for all dates in the order that they appear.

Create a New To-Do

To create a new to-do:

1. From the App List, touch **Calendar** → **to-do**.
2. Touch **new** to create a new to-do.
3. Enter the to-do information: Subject, Account, Reminder, Due date, Priority, and Notes.
4. Touch **save**.

Edit a To-Do

To edit a to-do entry:

1. From the **to-do** screen, touch any to-do entry to display the **To-Do details** screen.
2. Touch **edit**.

   The **EDIT TO-DO** screen displays.
3. Touch the field you want to change.
4. Touch **save**.

Deleting To-Dos

To delete to-do entries:

1. From the **to-do** screen, touch **select**.
2. Touch the to-do entrie(s) you want to delete.
3. Touch **delete** to delete the selected to-do entries.

Sorting To-Dos

To sort to-do entries:

1. From the **to-do** screen, touch **menu**.
2. Touch **sort by priority** to sort to-dos based on priority.
3. Touch **show completed** to only show completed to-dos.

Calendar Settings

To set calendar settings:

1. From the App List, touch **Calendar** → **menu** → **Settings**.
2. Touch any account to display their calendar.
3. Touch **theme color** to select the calendar color.
4. Touch **Show to-dos on the calendar** to turn this option On.

Camera

Use your 5 megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a Camcorder to take videos.

- From the App List, touch **Camera**.

(For more information, refer to *"Camera"* on page 84.)

Data Sense

This app finds more efficient ways to use cellular data (such as only downloading certain data while connected to Wi-Fi) and displays your usage.

1. From the App List, touch **Data Sense**.
2. View the **overview** menu to see your data plan's allowance remaining, and the days left on your data plan before it resets.

Note: This usages is measured by your phone. Your carrier's data usage measurement may differ.

3. View the **usage** menu to see total data usage (both cellular and Wi-Fi), and the amount of data usage each app has used.
4. Touch **menu** ➔ **map nearby Wi-Fi** to discover nearby Wi-Fi hotspots.
5. Touch **settings** to configure Data Sense settings. (For more information, refer to *"Data Sense"* on page 140.)

Games

You can shop for new games, install games you buy on your phone, and play them with the Games feature.

Accessing Games

To access the Games feature:

1. From the Home screen, touch **Games**.
2. Swipe your screen to the right or left to view the following menus:
   - **collection**: Allows you to get more games. Any games you have acquired and installed are also listed.
   - **Xbox**: Allows you to Join Xbox Live to play with friends and displays your Xbox Live player ID. You can also use Xbox Smartglass, and access the Games Store.
   - **requests**: Once you have joined Xbox Live, this screen displays any game invitations or turn notifications. It also allows you to play a game and invite others to play it with you.
   - **spotlight**: Displays links to Xbox LIVE websites once you have joined Xbox LIVE.

Getting More Games

To buy more games and install them on your phone:

1. From the Home screen, touch **Games** ➔ **collection** ➔ **get more games** to go to the Games Store.
2. Swipe your screen to the right or left to view more game categories. The choices are: **new**, **spotlight**, and **genres**. An icon, the game's name, a description, and the price displays for each game.
3. Touch the game to see an expanded description, screenshots, and reviews.
4. Touch **try** for a free trial, **buy** to purchase the game, **install,** if the game is free, or **share** to send someone a message or email containing a link to the game.

   The Confirm purchase screen displays. The purchase is charged to your mobile phone account or you can touch **Change payment method**.
5. Touch **buy** or **install** to continue or **cancel** to stop.
6. Touch **Back** to exit.

The new game is added to your collection screen.

Joining and Accessing Xbox LIVE

To access Xbox LIVE, you need a set up a free Xbox account and get a player ID.

1. From the Home screen, touch **Games** ➔ **Xbox**.
2. Touch **join Xbox LIVE or sign in**. The Windows Live ID required screen displays.
3. Touch **sign in**. The Sign In With A Windows Live ID screen displays.
4. Touch **sign in** if you have a Windows Live ID, and enter your Windows Live ID and password. Touch **sign in.**

   – or –

   Touch **create one** and follow the instructions to create an ID and password.

Your player ID is displayed on the Xbox LIVE screen.

To set your profile:

- Touch your **profile** (or Player ID) and follow the on-screen instructions. Some options require Xbox Extras, a free software download. Follow the on-screen prompts to install it.

After joining Xbox LIVE, the requests screen displays with game information such as game invitations and turn notifications. It also allows you to play a game and invite others to play it with you.

To check invitations or play a game:

- Touch the desired activity on the requests screen.

Help + Tips

Get help any time. Information for getting around on your phone and making it yours is just a touch away.

1. From App List, touch **Help + Tips**.
2. Swipe up or down through the topics and touch a topic to display subtopics.
3. Touch a subtopic to display the indicated information.

Internet Explorer

Your phone is equipped with Internet Explorer—your access to the mobile web.

(For more information, refer to *"Internet Explorer"* on page 112.)

- From the Home screen, touch **Internet Explorer**.

Live Wallpaper

Live Wallpaper can change your lock screen background periodically to 12 photos of your choice.

1. From App List, touch **Live Wallpaper**.
2. To allow Live Wallpaper to modify your lock screen, touch **yes**.
3. Touch **choose** and select (by touching) up to 12 photos from your photo collection. You can also take new photos by touching **camera**.
   - Touch **done** to save.
   - Touch each thumbnail to crop the photo, if desired. Touch **done** to save the cropped photo.
4. Touch **remove** and select (by touching) each thumbnail to remove. Or touch **SELECT ALL**.

   Touch **done** to remove selected photos.

Maps

Depending on your location, you can use Maps to view basic, custom, and satellite maps. The Maps application also allows you to obtain, with your wireless device, navigation instructions to destinations throughout most of the United States and certain international destinations. Once you find a destination, you can view nearby businesses and places of interest, including locations, contact information, and driving directions.

Important! Before using Maps, you must have an active data connection. The Maps application does not cover every country or city.

Enabling Use My Location

Before you use Maps to find your location, you must enable **Use my location**. To enable the location source:

- From the App List, touch **Maps** , then do either of the following:

  If the **Allow Maps to access and use your location?** screen displays, touch **allow**.

  – or –

  Touch **menu** ➔ **settings**, then slide the **Use my location** slider to **On**. Touch **Back** to exit.

Navigating the Map

Zooming

- Double-tap on the screen to zoom in.
- Use two fingers, such as your index finger and thumb, to zoom out by making an inward pinching motion on the screen. To zoom in, make an outward motion by stretching your fingers outward.

Scrolling

- Touch and slide on the screen to reposition the map in the display.

Touch

- Touch on the map to display information about the location. For example, your location is indicated by a and a pop-up that displays your approximate address.

Delete History

You can also delete any previous map searches, pins, and image data from your phone from the maps settings screen:

1. From the maps Setting screen, touch the **delete history** field.
2. Touch **delete**.

Map Options

At the bottom of the screen, the following controls are available:

- **scout**: Launches Local Scout.
- **directions**: Use the keyboard to enter an end location then touch → to display the directions.
- **me**: Your location displays on the map indicated by a dot.
- **search**: Allows you to search for a place of interest.
- **menu**:
  - **directions list**: Displays the details of the last directions request.
  - **search results**: Displays after a search has been performed. If more than one result is listed, reference numbers display, which are also displayed on the map.
  - **clear map**: After viewing or following directions, this option resets the map.

– **show/hide nearby Wi-Fi**: Displays or hides markers of nearby hotspots.
– **show traffic**: Displays real-time traffic conditions so you can plan the fastest route. **hide traffic** turns this option off.
– **favorite places**: Displays your favorite places.
– **hide favorites / show favorites**: Use this option to hide or show your favorite locations on the map.
– **aerial view on**: Allows you to see your map as a satellite image.
– **settings**: Displays map settings.

Nearby Places of Interest

After you ask for directions or search for a location:

1. Touch My location (start) or the destination location (end) on the directions list, or the search location on a search results map.

   The **about** screen displays, which lists the address, directions from your location, the phone number, the neighborhood, and the category.
2. Touch **pin** to pin a shortcut to the location to the Home screen.
3. Touch **share** to send the location information in a message or an email.
4. Touch **add** to add the location as a favorite.
5. Swipe your screen to display the **reviews** and **apps** screens. Touch **menu** → **suggest changes** to suggest changes to the location information.

Messaging

The Messaging feature allows you to send online messages, text messages, and multimedia messages to other phones and email addresses.

- From the Home screen, touch **Messaging**.

(For more information, refer to *"Creating and Sending Text Messages"* on page 59.)

MiniDiary

The Mini Diary app enables you to create a diary containing your daily activities, attach pictures and share diary entries on Facebook, Photobucket, and Picasa.

1. From the Home screen, touch **MiniDiary**.
2. Swipe your screen to the right or left to view more menus. **Recent** displays recently added entries, search for entries, and add new entries. **Date** lists entries by date. **Location** lists entries by location (if available). **Options** let you add photos, voice memos, drawings, and adjust settings.

Adding a New Diary Entry

1. Touch **New** to create a diary entry.
2. Touch **Tap to add photo** or touch **photo** to add a photo from your photo albums, or take a new photo with the camera.
3. Touch **Location** to touch the Map to add your location.
4. Touch **Tap to add text** to type an entry.
5. Touch **voice** to add a voice memo.
6. Touch **drawing** to add a quick drawing.
7. Touch **options** to save this entry.

MiniDiary Settings

1. Swipe your screen to the right or left to view the **Options** menu.
2. Touch **Settings.** There are three menus: **general**, **accounts**, and **about**. The **general** menu displays MiniDiary options. The **accounts** menu allows you to configure Facebook, Photobucket, and Picasa for use with MiniDiary. The **about** menu display the current software version and information.
3. Touch **New diary location information is updated automatically** to turn this feature On.
4. Touch **New diary weather information is updated automatically** to turn this feature On.
5. Touch **Use my location** to turn this option On.

Note: Enabling this option will send your location information to Microsoft to improve its location services—but will not use this information to identify or contact you. Touch **Samsung Privacy Statement** and **Microsoft Privacy Statement** for more information.

6. Touch **Require a password to enter MiniDiary** to turn this option On.
7. Touch **Back up on SkyDrive** to back your MiniDiary data to your SkyDrive account. Note that this will replace previously backed up MiniDiary data already on SkyDrive.
8. Touch **Restore from SkyDrive** to replace your phone's MiniDiary data with backed up data from your SkyDrive account.

Music + Videos

The Music + Videos feature lets you access music, videos, podcasts, and radio on your phone.

- From the Home screen, touch **Music + Videos**.

(For more information, refer to *"Music + Videos"* on page 75.)

Now

The Now application allows you to check today's weather forecast, the latest stock market figures, the currency exchange rate, or read up on the latest headline news and top tweets.

Accessing Now

- From the Home screen, touch **Now**.

  The first time you use the Now application, the **Allow "Now" to use your location?** screen displays. Touch the **Samsung Privacy statement** and **Microsoft Privacy statement** for more information, then touch **OK** or **Cancel**.

Weather

Select Cities for Weather Reporting

1. Touch **settings**.
2. Under the cities menu, touch **Add a city**.
3. **Type a city name** using the keyboard, touch **search**, and then touch the correct city.

   – or –

   Touch **current city** to display the city where you are located. Touch the city to select it.

   – or –

   Touch **select list** to display a list of cities. Scroll through the list of cities and select one.
4. Touch **Add a city** again, if you want to enter another city.

Changing Weather Settings

1. Touch **settings**.
2. Under the general menu, touch **Auto refresh when application starts** to automatically refresh weather information when the application starts.
3. Touch **Use my location** to use your current location for weather information.
4. Touch **Auto Location** to automatically display the weather for the city in which you are located.
5. In the **Temperature Unit** field, choose your temperature display preference by touching **ºC** (Centigrade) or **ºF** (Fahrenheit).
6. In the **System of Measurement** field, choose your preference for displaying measurements by touching **English** or **Metric**.
7. Touch **Back**.

Viewing Weather Conditions

The weather screen displays current weather conditions for the cities you have added. The weather forecast for the next six days (sunny, partly cloudy, cloudy, and high and low temperatures) is displayed on the weather screen for your primary city.

1. To refresh the weather, touch **refresh**.
2. Touch the name of a city on the weather screen for more information about current weather conditions.
3. Touch **hourly** for an hourly forecast, or **map** for a radar-type view of the area.

News

1. Swipe your screen to the left. The news screen displays.
2. To refresh the news, touch **refresh**.
3. To edit the news category, touch **settings**.
4. Touch **Back**.

Stocks

1. Swipe your screen to the left. The stocks screen displays.
2. To edit the stocks settings, touch **settings**.
3. Touch **Add a stock** and type a company name or stock symbol. Touch **search** and then touch the correct stock to add it to your stocks.
4. Swipe your screen to the left to display the indices screen.
5. Touch **Add an index** and **Type an index name or symbol** using the keyboard. Touch **search** and then touch the correct index to add it to your indices.
6. Swipe your screen to the left to display the general screen.
7. Touch **Auto refresh when application starts** to refresh your stocks information each time you start the Now application. In the **Display stocks by** field, choose **Stock name** or **Stock symbol**.
8. Touch **Back**.
9. To refresh your stock listings, touch **refresh**.

Accessing Now Applications and Settings

1. Swipe your screen to the left.

   The list of Now applications (weather, news, stocks, and currency) and the Now settings option displays.

2. Touch **currency** to display the following screens:
   - **rate**: Displays a base currency and the exchange rate for other currencies.
   - **converter**: Calculate the value of one currency based on another currency.
3. Touch **settings** to display the following screens:
   - **sections**: Check the up to three items that you want to display on the Now front page.
   - **live tile**: Allows you to add the weather to your primary Now Home screen Tile. You can also add secondary Tiles for news and top tweets to your Home screen.
   - **about**: Displays Now information such as software version and Open source announcement.

Office

With Office, you can view, edit, and create Microsoft Excel spreadsheets and Microsoft Word documents. You can view and edit Microsoft PowerPoint presentations. You can also create notes, or search for and share document files with others.

To access Office, follow these steps:

1. From the Home screen, touch **Office**.
2. Swipe your screen to the left to display the recent screen.
   - Touch **Sample document** to view general information about Word, which lets you view, edit, and create Microsoft Word documents on your phone.
   - Touch **Sample presentation** to view general information about PowerPoint, which lets you view and edit Microsoft PowerPoint presentations on your phone.
   - Touch **Sample spreadsheet** to view general information about Excel, which lets you view, edit, and create Microsoft Excel spreadsheets on your phone.

3. Swipe your screen to the left to display the places screen.
   - **phone**: Displays the office documents saved on your phone. Touch **search** to search for a term in the list of documents.
   - **email**: Displays documents opened from your email accounts. Touch **search** to search for a term in the list of documents.
   - **SkyDrive**: Windows Live SkyDrive provides free storage so you can store your documents online. SkyDrive is available if you have set up a Windows Live email account. For more information about SkyDrive, go to explore.live.com and click on **SkyDrive**.
   - **Office 365**: Touch **set up** to set up your Office 365 account on your phone to access your Office documents, email, calendar, and contacts. For more information, go to microsoft.com/office365.
4. Touch to search for a term in the all documents, SkyDrive documents, phone documents, email documents, or SharePoint documents.

Adding a Document or Note

To add a note or an office document:

1. Touch **new**.
2. Follow the on-screen instructions to add an office document.

OneNote

You can stay organized using text, pictures, or audio notes. Create Quick Notes, or review and edit shared OneNote notebooks using SkyDrive.

To access OneNote notebooks:

1. From the **App List**, touch **OneNote**.
2. OneNote notebooks you currently have shared on SkyDrive are listed.
3. Touch a notebook to open it.

To create Quick Notes:

1. Touch **new** to create a new Quick Note.
2. Touch **search** to search for notes.
3. Touch **menu** to sync notes, view sync status, or select pages of notes.

People

You can manage your daily contacts by storing their name, number, email, and other information in your phone using the People feature.

- From the Home screen, touch **People**.

(For more information, refer to *"Your People List"* on page 44.)

Phone

The Phone application allows you to make or answer a call. It also includes the features and functionality associated with making or answering a call.

- From the Home screen, touch **Phone**.

(For more information, refer to *"Call Functions"* on page 38.)

Photo Editor

Photo Editor is the ultimate photo editor for Windows Phone, combining an easy interface and professional grade tools and effects.

- From the App List, touch **Photo Editor**.

(For more information, refer to *"Photo Editor"* on page 90.)

Photos

The Photos application is where you view photos and play back videos. For photos, you can also set photos as wallpaper and share as a picture message.

- From the App List, touch **Photos**.

(For more information, refer to *"Photos"* on page 80.)

Settings

This application navigates to the system and applications settings for your phone. It includes such settings as: sound, Wi-Fi, Bluetooth, accounts, display, security, memory, and any extra settings associated with your phone.

- From the Home screen, touch **Settings**.

(For more information, refer to *"Changing Your Settings"* on page 122.)

Slacker Radio

Slacker offers free, internet radio for mobile devices.

- From the App List, touch **Slacker Radio**.

Note: You must register and create a free Slacker Radio account prior to using this service.

Store

Store provides access to downloadable applications, music, and games to install on your phone. Store also allows you to provide feedback and comments about an application or flag an application that might be incompatible with your phone.

Setting Up a Microsoft Account

Before using Store, you must set up a Microsoft account.

(For more information, refer to *"Setting Up a Microsoft Account"* on page 74.)

Downloading Applications, Games, and Music

The type of content determines where it appears on your phone. Music, videos, and podcasts appear in **Music + Videos**, games appear in **Games**, and applications appear in the **App List**.

To access Store and download applications, games, and music:

1. From the Home screen, touch **Store**. The main **Store** screen displays.
2. Touch **Samsung Zone**, **apps**, **games**, **music**, or **podcasts**.

   – or –

   Swipe your screen to the right or left to view featured applications, games, and music. Touch an item to display more information.

Wallet

The Wallet app stores credit or debit cards, Microsoft gift cards, PayPal account information, and other payment options, giving you quick and easy access when purchasing online or in stores.

To access the Wallet app:

1. From the App List, touch **Wallet**.
2. Touch **add** to enter card information.
3. Touch **search** to search for card information.
4. Touch **menu** to refresh data, view settings + pin, and to learn more about using Wallet.
5. Swipe the screen left to view deals and other money saving opportunities.

Your Navigator Deluxe

Your Navigator Deluxe by TeleNav provides voice guided turn by turn navigation information on an interactive map. It's like having a portable navigation device (PND), but it's installed on your phone so it goes everywhere that you do.

- From the App List, touch **Your Navigator Deluxe**.

Section 8: Connections

This section describes the various connections your phone can make including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

Internet Explorer

Your phone is equipped with Internet Explorer—your access to the mobile web. This section explains how to navigate and introduces you to the basic features.

Accessing Internet Explorer

To access the Internet Explorer browser:

- At the Home screen, touch **Internet Explorer**.

Navigating with the Browser

1. To select an item, touch an entry or link.
2. To scroll through a website, swipe the screen with your finger in an up or down motion.
3. Swipe the screen left to right to move laterally across a web page.

4. To access internet options, touch **menu**. (For more information, refer to *"Browser Options"* on page 115.)
5. To return to the previous page, touch **Back**.

Zooming In and Out on the Browser

Stretch two fingers outwards at the same time to zoom in or pinch two fingers together to zoom out.

Zoom In Zoom Out

Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website:

1. Touch the **URL** field at the bottom of the screen.
2. Enter the URL using the on-screen keyboard and touch **go**. The website displays.

Search the Internet

To perform an internet search using keywords:

1. From the Home screen, touch **search**.
   The Bing search screen displays.
2. Touch the Bing search box located at the top of the browser.
3. Use the on-screen keyboard to enter one or more search words. Additional words and phrases display as you type, which you can touch to select.
4. To initiate the search, touch **go**.
5. A list of search results displays under the categories **web**, **local**, **media**, and **shopping**.
6. Touch an entry in the list to view the website.
7. Touch **Back** to return to the search list.

Favorites

While navigating a website, you can make it a favorite site to quickly and easily access it at a future time. The URLs (website addresses) of the favorite sites are displayed on the favorites page. From the favorites page, you can also view your browsing history.

1. From the Home web page, touch **menu** ➔ **favorites**. The favorites page displays.
2. The following options are displayed:
   - **List of favorite websites**: These are web sites that you have added as favorites.
   - **Windows Phone Tips**: Displays tips that may help you to use your phone.
3. Touch an option or a favorite to view the web page.

Adding Favorites

1. From any web page, touch **menu** ➔ **add to favorites**.
2. Use the on-screen keyboard to enter the **Name** and the **Web address** of the Favorite.
3. Touch **done**.

Editing Favorites

1. From any web page, touch **menu** ➔ **favorites**, then touch and hold the favorite you want to edit.
2. Touch **edit** on the pop-up menu.
3. Use the on-screen keyboard to edit the **Name** or the **Web address** of the favorite.
4. Touch **done**.

Deleting Favorites

1. From any web page, touch **menu** ➔ **favorites**, then touch and hold the favorite you want to delete.
2. Touch **delete** on the pop-up menu.

Recent Browsing History

The recent page provides you with a list of the most recently visited websites. These entries can be used to return to previously unmarked web pages.

1. From any web page, touch **menu** ➔ **recent**.

   The recent page displays a list of your most recently visited websites. The name and web address of each website is displayed.
2. Touch any entry to display the web page.
3. To delete a single entry, touch and hold it, then touch **delete** on the pop-up menu.

   – or –

   Touch **delete** to delete the entire **recent** list.

   – or –

   Touch **select** to mark specific web pages for deletion, then touch **delete**.

Browser Options

1. From any web page, touch **menu** to access the following options:
   - **tabs**: Displays tabs, which are links to websites. Touch a tab to display the web page. Touch **new** and enter a web page address to create a new tab. To delete a tab, touch **delete** on the tab.
   - **recent**: Displays a list of your most recently visited websites.
   - **favorites**: Displays your favorites page.
   - **add to favorites**: Add a new favorite website.
   - **share page**: Allows you to share the page using Tap + Send, Messaging, an email or other account.
   - **pin to start**: Allows you to place a web page shortcut on your Home screen for easy access.
   - **find on page**: Allows you to search for text within the current web page.
   - **settings**: Allows you to configure the Internet Explorer Settings on your phone. (For more information, refer to *"Internet Explorer Settings"* on page 116.)

Internet Explorer Settings

From this menu, you can configure your internet settings to allow cookies on the device, allow Bing to suggest web addresses, and set whether you want the browser to display as a mobile device or as a desktop. You can also delete all browsing history.

Cookies are typically placed on your device when you browse and contain both site information as well as personal information (such as a user name and password), which can pose a security risk if not properly managed.

If activated, the Bing search engine automatically suggests web addresses when you perform an internet search.

1. From the Home screen, swipe the screen left to display the Apps List, and then touch ➔ **Settings**.
2. Under **applications**, touch **Internet Explorer**.
3. Touch the **Website preference** field and choose either **mobile version** or **desktop version**.
4. Touch the **Use address bar button for** field and choose either **favorites**, **stop/refresh**, or **tabs**.
5. Touch **delete history** to delete all temporary files, history, cookies, and saved passwords.

   All temporary files, browsing history, cookies, and saved passwords are deleted from the phone.
6. Touch **Privacy Statement** to view the statement.
7. Touch **advanced settings** for additional options:
   - Touch and slide the **Allow access to my location** slider to the right to turn the option **On**.
   - Touch **Get suggestions from Bing as I type** to turn this option On.
   - Touch **Reduce data use by sending URLs to the Data Sense service** to turn this option On.
   - Touch **Send browsing history to Microsoft to help improve Bing services** to turn this option On.
   - Touch **Use SmartScreen Filter to help protect against unsafe websites** to turn this feature On.
   - Touch **Send a Do Not Track request to websites you visit** to turn this option On.
   - Touch the **Cookies from websites and apps** field and select **accept all**, **block some**, or **block all**.

– Touch the **Open links from other apps in** field and select **a new tab** or **the current tab**.

– Touch **Allow sites to store files on my phone** to turn this option On.

– Touch **manage store** to display websites that store files on your phone. To free up storage space, touch a site to delete its files.

– Touch **Learn about these settings** for more information.

Deleting Browser History

1. From the Home screen, touch **Settings**. Under the **App List**, touch **Internet Explorer**.
2. Touch **delete history** to delete all temporary files, history, cookies, and saved passwords.

   All temporary files, browsing history, cookies, and saved passwords are deleted from the phone.

Wi-Fi

About Wi-Fi

Wi-Fi (short for *wireless fidelity*) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP).

These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Turning Wi-Fi On

By default, your device's Wi-Fi feature is turned on. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, touch **Settings.** Under the **system** menu, touch **Wi-Fi**.
2. Touch and slide the **Wi-Fi networking** slider to the right to turn Wi-Fi On.
3. The device scans for available, in-range wireless networks and displays them under Wi-Fi networks on the same screen.
4. Press **Start** to return to the Home screen.

Connect to a Wi-Fi Network

1. From the Home screen, touch **Settings**. Under the **system** menu, touch **Wi-Fi**.
2. Make sure Wi-Fi has been turned on. The network names and security settings (open or secure) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.
3. Touch the network to which you want to connect.

Note: When you select an open network, you are automatically connected to the network.

4. Enter a wireless password, if necessary. If the connection is successful, **connected** appears under the Wi-Fi network name.
5. Touch **advanced** to display known networks and set additional options:
   - Touch **add** to add a new network name.
   - Touch **select**, touch each network you want to delete, then touch **delete** to delete the selected networks.
   - Touch **Notify me when new networks are found** to turn this option On.
   - Touch **Send information about Wi-Fi connections to help discover nearby Wi-Fi** to turn this option On.
   - Touch **Keep Wi-Fi on when the screen times out** to turn this option On.

Turning Wi-Fi Off

1. From the Home screen, touch **Settings**. Under the **system** menu, touch **Wi-Fi**.
2. Touch and slide the **Wi-Fi networking** slider to the left to turn Wi-Fi Off.

Note: Use of wireless data connections such as Wi-Fi can cause an added drain to your battery and reduce your use times.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status:

- Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).
- Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP) or it is not connected to a WAP.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, touch **Settings**. Under the **system** menu, touch **Bluetooth**.
2. Touch and slide the **Status** slider to the right to turn Bluetooth On. When you turn Bluetooth on, your device is discoverable and immediately scans for other Bluetooth devices.
3. Touch and slide the **Status** slider to the left to turn Bluetooth Off.
4. Press **Start** to return to the Home screen.

Bluetooth Status Indicator

The **Bluetooth paired** icon displays at the top of your screen when Bluetooth is active and your phone is connected with a Bluetooth device.

Connecting Bluetooth Devices

The Bluetooth connecting process allows you to establish trusted connections between your device and another Bluetooth device. When you connect devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To connect your device with another Bluetooth device:

1. From the Home screen, touch **Settings**. Under the **system** menu, touch **Bluetooth**.
2. Touch and slide the **Status** slider to the right to turn Bluetooth On. When you turn Bluetooth on, your device is discoverable and immediately scans for Bluetooth devices.
3. Your device displays a list of discovered, in-range Bluetooth devices. Touch a device from the list to initiate connecting.
4. Enter the passkey or PIN code, if needed, and touch **ok**.
5. The external device then has to accept the connection and enter your device's PIN code.

   Once successfully connected to an external device, **Bluetooth paired** appears at the top of your screen and **connected** appears under the device name.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different.

Note: Connecting between two Bluetooth devices is a one-time process. Once a connection has been created, the devices continue to recognize their partnership and exchange information without having to re-enter a passcode.

Disconnecting Bluetooth Devices

Disconnecting a connected device breaks the connection between the device and your phone, but retains the knowledge of the connection. At a later point when you want to reconnect the device, there is no need to set up the connection information again.

1. Verify that your Bluetooth is active.
2. From the Bluetooth settings page, touch the previously connected device. The status changes to not connected.
3. Touch the device name again to reconnect.
4. To delete the device name from your list of Bluetooth devices, touch and hold the device name until **delete** displays. Touch **delete** to remove the device from your list.

Note: Disconnections are manually done but often occur automatically if the connected device goes out of range of your phone or it is powered off.

PC Connections

There are several ways available to transfer music, videos, photos, and other files between your phone and PC, such as using the cloud (Internet storage such as SkyDrive), using a USB cable, using a Windows phone app, etc.

1. From the Home screen, touch **Music + Videos**.
2. Swipe left across the screen to view the **new** menu.
3. Touch **Connect to your computer to add stuff**.
4. There are several ways available to transfer music and videos between your phone and computer, such as using the cloud, using a USB cable, using a Windows phone app, etc. Select the appropriate set up for your phone, and follow the online instructions to install and use the file transfer software of your choice.

Section 9: Changing Your Settings

This section explains the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone.

Settings are divided into **system settings** and **applications settings**.

System Settings

To access the **system** settings menu:

- From the Home screen, sweep the screen to the left and touch **Settings**.

  The **system** settings menu displays.

Ringtones + Sounds

1. From the **system** settings menu, touch **ringtones + sounds**.
2. From the **Ringer** field, touch and slide the slider to the right to turn the ringer On.
3. From the **Vibrate** field, touch and slide the slider to the right to turn the vibrate feature On.
4. Touch the **Ringtone** field, choose a ringtone, and touch **Back**. Touch **get more** to add additional ringtones.
5. Touch the **New text or IM** field, choose an alert type, and touch **Back**.
6. Touch the **New voicemail** field, choose an alert type, and touch **Back**.
7. Touch the **New email** field, choose an alert type, and touch **Back**.
8. Touch one of the check boxes to play a sound for:
   - **Reminders**: Plays a sound when there is a scheduled appointment.
   - **Key press**: Plays a sound when you touch a key.
   - **Lock and unlock**: Plays a sound when you lock or unlock a function.
   - **Camera shutter**: Makes a shutter sound when you press the Camera key .
   - **All other notifications**: Plays a sound for all other notifications.

Theme

Using the theme setting, you can change the background and accent color for the screen.

1. From the **system** settings menu, touch **theme**.
2. Touch the **Background** field and select **dark** or **light**.

Note: Battery power is consumed at a faster rate when the background is set to **light**.

3. Touch the **Accent color** field and select a color.

Email + Accounts

1. From the **system** settings menu, touch **email + accounts**.
2. Touch **add an account** to set up a new account.
3. Touch an existing account to modify its settings.
4. Touch and hold an existing account to sync or delete it.

(For more information about email accounts, see *"Setting Up an Email Account"* on page 66.)

Internet Sharing

Internet sharing enables your phone as a mobile hotspot and lets you share your phone's internet connection with other compatible devices.

Note: Internet sharing may cause battery power to be consumed at a faster rate.

1. From the **system** settings menu, touch **internet sharing**.
2. Touch and slide the **Sharing** slider to the right to turn sharing On.

Lock Screen

From this menu, you can change the background, set a time-out screen that locks the phone after a specific amount of time, and set up the phone to require a 4-digit password to unlock the phone.

1. From the **system** settings menu, touch **lock screen**.
2. Touch the **Background** field to choose a photo source.
   - **photo**: Touch the **change photo** field to select a background from your photos.
   - **Bing**: Professional photos from Bing will automatically be displayed as the lock screen background.
   - **Live Wallpaper**: Touch **open app** to launch Photo Editor and select a new background photo.
   - **Photo Editor**: Touch **open app** to launch Photo Editor and select a new background photo.
3. Touch and slide the **Show artist when playing music** slider to the right to turn the option On.
4. Touch the **Choose an app to show detailed status** field to select which apps displays detailed activity when the lock screen is active. Options are Calendar, Email, Messaging, or Phone.
5. Under the **Choose apps to show quick status** field, touch up to four **+** fields to select apps that will display limited activity when the lock screen is active. Options are Games, Email, Messaging, Phone, and Voicemail.
6. Touch the **Screen times out after** field and select a screen time-out time. Options are 30 seconds, 1 minute, 3 minutes, or 5 minutes.

Lock Screen Password

1. From the **system** settings menu, touch **lock screen**.
2. Touch and slide the **Password** slider to the right to turn the password requirement mode On.
3. Touch the **New password** field and enter a 4-digit password.
4. Touch the **Confirm password** field and re-enter the 4-digit password. Touch **Show password** to display the password as you type. Touch **done** to confirm.
5. After you create a password, touch **change password** to create a new password.

6. After you create a password, touch the **Require a password after** field to set how often the password is required. Options are each time, 30 seconds, or 1, 3, 5, 15, or 30 minutes.

Note: To remove the password requirement, Touch and slide the **Password** slider to the left to turn the password requirement mode **Off** and enter the password.

Wi-Fi

1. From the **system** settings menu, touch **Wi-Fi**.
2. Touch and slide the **Wi-Fi networking** slider to the right to turn Wi-Fi On.

(For more information, refer to *"Wi-Fi"* on page 117.)

Bluetooth

1. From the **system** settings menu, touch **Bluetooth**.
2. Touch and slide the **Status** slider to the right to turn Bluetooth On.

(For more information, refer to *"Bluetooth"* on page 119.)

Tap + Send

Tap + send (NFC sharing) allows you to share photos, websites, contacts, and more, or pair your phone by tapping to another NFC-capable device.

1. From the **system** settings menu, touch **tap + send**.
2. Touch and slide the slider to the right to turn NFC sharing On.

Airplane Mode

Airplane mode allows you to use many of your phone's features, such as Camera, Games, and more, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

Important! When your phone is in Airplane Mode, it cannot send or receive any calls or access online information or applications.

1. From the **system** settings menu, touch **airplane mode**.
2. Touch and slide the slider to the right to turn the airplane mode On.

Note: When you turn on airplane mode, cellular data mode is automatically deactivated.

Cellular

Enabling this feature allows you to use data features even when you are roaming.

Important! Roaming charges may apply when using data features. Contact your service provider for details.

Note: Available options may differ depending upon your service provider.

1. From the **system** settings menu, touch **cellular**. The Active network is displayed.
2. Touch the **Data connection** field and select **on** or **off**.

Note: Activating the Data connection automatically turns off airplane mode.

3. Touch the **Data roaming options** field and select **roam** or **don't roam**.
4. Touch the **Mode selection** field and select **LTE and CDMA**, or **CDMA**.
5. Touch the **Network type** field and select **automatic** or **home network only**.
6. Touch the **For limited Wi-Fi connectivity** field and select **use cellular data** or **don't use cellular data**.

Note: Your phone won't use cellular data when Wi-Fi connectivity is limited. You may not be able to send or receive data.

7. Touch **sim applications** to access any applications on your sim card.

Location

The Location settings allow you to activate location services so other applications (such as Maps) can access your location information.

1. From the **system** settings menu, touch **location**.
2. Touch and slide the **Location services** slider to the right to turn the location mode On.
3. Touch **Privacy Statement** to read the Windows Phone 8 Privacy Statement.

Note: When Location services are on, your current location will be available to any apps you've allowed to access it.

Kid's Corner

Kid's Corner gives parents a restricted area on your phone where you can share apps, videos, games, and music with your child. They'll have a Start screen of their own and easy access to the items you add there.

1. From the Home screen, touch the Kid's Corner tile.

   – or –

   From the **system** settings menu, touch **kid's corner**.
2. Touch **Learn more** for instructions on setting up and using Kid's Corner.
3. Touch **next** to set up Kid's Corner.
4. Touch **Games**, **Music**, **Videos**, and **App** to select which items to include in Kid's Corner, then touch **next**.
5. Touch **set password** to set a lock screen password to keep your child from accessing your Start screen.
6. Touch **finish**.

   Kid's Corner starts so you can check your settings.
7. To return to default phone mode, just press the **Power/Lock** key to power off and press it again to power back on, and then enter the password that you set up.

Once Kid's Corner has been set up, you can turn this feature off and on.

1. From the **system** settings menu, touch **kid's corner**.
2. Touch and slide the **Kid's Corner** slider to the right to turn this feature On or Off.

To Access Kid's Corner

1. Press the **Power/Lock** key to enable the Lock screen.
2. From the Lock screen, sweep the screen to the right to display the Kid's Corner start screen.
3. Slide the screen up to start Kid's Corner.
4. To exit, press the **Power/Lock** key.

Battery Saver

To conserve battery power, your phone can turn off some services to help preserve your battery. Calls and texts will still be received, but apps only run when you open them and emails must be synced manually.

1. From the **system** settings menu, touch **battery saver**.
2. Touch and slide the **Battery Saver** slider to the right to turn this option On.
3. Battery info such as remaining battery life is displayed.
4. Touch **advanced** to set when battery saver is activated. Options are when battery is low, now until next charge, or always.

Phone Storage

Information about how storage space on the phone and SD card is being used is displayed. SD memory card storage can be configured as well.

1. From the **system** settings menu, touch **phone storage**.
2. Touch **phone** to see the amount of space used for music and videos, pictures, apps, other, system, as well as free space remaining.
3. Touch **SD card** to see the amount of space used for music and videos, pictures, other, as well as free space remaining. The SD card may also be prepared for removal or formatted.
   - Touch **remove SD card** to dismount the SD card, making it safe to remove.
   - Touch **format SD card** to format the SD card and prepare it for use. Formatting will permanently erase all data on the card.
4. Change where new music, videos, and pictures will be stored.
   - Touch **Store new music + videos on** and select **phone** or **SD card**.
   - Touch **Store new pictures on** and select **phone** or **SD card**.

Backup

Certain information on your phone can be automatically backed up to the cloud (data storage available on the Internet such as SkyDrive), guarding you against possible data loss.

1. From the **system** settings menu, touch **backup**.
2. Touch **What gets backed up?** to learn more about what phone data can be backed up.
3. Touch **app list + settings**, then touch and slide the **Backup** slider to the right to turn this option On. Your Internet Explorer favorites, a list of your installed apps, and most settings will be backed up to the cloud.
   - Touch **back up now** to start the backup process.
   - Touch **advanced**, then touch **delete** to delete all settings currently backed up on the cloud and turn the backup option Off.
4. Touch **text messages**, then Touch and slide the **Text message backup** slider to the right to turn this option On.
   (For information on the other messaging options shown, see *"Messaging"* on page 142.)
5. Touch **photos** to backup your photos and videos to SkyDrive.
   - For photos, select **Don't upload**, **Good quality (may use data plan)**, or **Best quality (needs Wi-Fi)**.
   - For videos, select **Don't upload**, **Good quality (needs Wi-Fi)**, or **Best quality (needs Wi-Fi)**.

Date + Time

This setting allows you to decide if you want the date and time automatically set or if you want to enter the date and time manually. You also configure the phone to use a 12-hour or 24-hour format.

1. From the **system** settings menu, touch **date + time**.
2. Touch and slide the **24-hour clock** slider to the right to turn this features On. When turned Off, the 12-hour clock displays.
3. Touch and slide the **Set automatically** slider to the right to turn it On.

Manually Setting the Time and Date

1. Touch and slide the **Set automatically** slider to the left to turn it Off.
2. Touch the **Time zone** field and select a time zone from the list.
3. Touch the **Date** field and flick the **Month**, **Day**, and **Year** fields until the desired date/year displays, touch the date/year to enter it into the field, then touch **done**.
4. Touch the **Time** field and flick the hour and minute fields until the desired time displays, touch the time to enter it into the field, then touch **done**.

Brightness

1. From the **system** settings menu, touch **brightness**.
2. Touch and slide the **Automatically adjust** slider to the right to turn it On. The phone automatically adjusts brightness on the display.

Manually Adjust the Brightness Level

1. Touch and slide the **Automatically adjust** slider to the left to turn it Off. The Level field activates.
2. Touch the **Level** field and select a level. Selections are: **low**, **medium**, or **high**.

Keyboard

This setting controls which languages the keyboard supports, as well as how the keyboard interacts when typing (such as capitalizing the first letter of a sentence, correcting misspelled words, suggesting words when misspelled words are detected, and more).

1. From the **system** settings menu, touch **keyboard**.
2. Touch **add keyboards**, select one or more languages, and touch **done**.
3. Touch a language to configure its keyboard settings (not all languages support all options):
   - Suggest text
   - Highlight misspelled words
   - Correct misspelled words
   - Insert a space after selecting a suggestion
   - Insert a period after double-tapping the SPACEBAR
   - Capitalize the first letter of a sentence

Note: Some languages may require a software download to fully support these keyboard options.

4. Touch **advanced** for additional options:
   - Touch the **reset suggestions** field to remove all the words you have added to your suggestion list.
   - Touch **Improve suggestions by sending information about my keyboard usage to Microsoft** to participate in sending keyboard touch information, which helps Microsoft improve the keyboard on Windows Phone and to enhance or create new user experiences. Touch **Learn more** for additional information about this feature and other features of your Windows Phone 8.

Language + Region

This setting allows you to configure the language in which the menus and certain keyboard options are displayed.

Note: Some of the settings require you to restart your phone.

1. From the **system** settings menu, touch **language + region**.
2. Touch the **Phone language** field and select a language.
3. Touch the **Country/Region** field and select a country or region.
4. Touch the **Regional format** field and select a regional format.
5. Touch the **Browser & search language** field and select a language.

Ease of Access

This setting controls text size and other visibility options, speech controls, and TTY/TDD mode.

1. From the **system** settings menu, touch **ease of access**.
2. Touch and slide the **Text size** slider left or right to change the text size in phone, People, email, messaging, and lock screen.
3. Touch and slide the **High contrast** slider to the right to turn this option On.
4. Touch and slide the **Screen magnifier** slider to the right to turn this option On.
5. Touch and slide the **Speech for phone accessibility** slider to the right to turn it On.
6. Touch the **TTY/TDD** field and select **Off**, **Full**, **HCO (hearing carry over)**, or **VCO (voice carry over)**.

Speech

These settings enable speech recognition over the network, using speech when the phone is locked, and playing audio as a confirmation.

(For more information, refer to *"Speech Engine"* on page 31.)

To use Speech, press and hold the Start key.

1. From the **system** settings menu, touch **speech**.
2. Touch **Use Speech when the phone is locked** to turn this option On. This option enables access to Speech when the phone is locked by pressing and holding the Start key.
3. Touch **Play audio confirmations** to turn this option On.
4. Touch the **Read aloud incoming text messages** field and select **Off**, **always on**, **Bluetooth and headsets**, **Bluetooth only**, or **wired headset only**.
5. Touch the **Text to Speech voice** and select **female** or **male**.
6. Touch the **Speech language** and select a language from the list.
7. Touch **Enable Speech Recognition Service** to send the words you speak and supporting data, including recent contact names, to Microsoft to provide and improve the service. By allowing access, you can use additional speech features on your phone. Touch **Privacy Statement** for more information.

Find My Phone

To use this feature, you must set up a Microsoft account and then sign in at windowsphone.live.com. Once you sign in, click on **FIND MY PHONE**.

Note: If you have an Xbox LIVE, Zune, Hotmail, or Messenger ID, you have a Microsoft account.

On the Find My Phone web page, you can:

- **Find it**: Lets you to see your phone's approximate location on a map.
- **Ring it**: Rings your phone for one minute using a special ringtone even if it is on silent or vibrate mode.
- **Lock it**: Locks your phone so that nobody else can use it. You can also put a "please return" note on the screen.
- **Erase it**: Removes all the information on your phone and resets it to the factory settings.

On your phone, the following options are available.

1. From the **system** settings menu, touch **find my phone**.
2. Touch **Send apps to my phone using push notifications (not SMS)** to turn this option On.
3. Touch **Save my phone's location periodically and before the battery runs out to make it easier to find** to turn this option On.
4. Touch **Privacy Statement** to learn more about how this information is used.

Phone Update

1. From the **system** settings menu, touch **phone update**. Updates are automatically located and installed.
1. To manually check for updates, touch **check for updates**.

Note: Your phone continues to regularly check for updates, which you can install when you are connected to the PC.

2. Touch **Tell me when updates are available for my phone** to turn this option On.
3. Touch **Automatically download updates if my data settings allow it** to turn this option On.

Important! This setting also causes a check for updates over Wi-Fi networks and when your phone is connected to your computer.

Company Apps

Some companies offer policies, certificates, and apps that help you connect to your company's network.

1. From the **system** settings menu, touch **company apps**.
2. Use your company's account information to sign in and set up the company app. Contact your company's technical support for more information.

About

This setting displays information about your device such as the Name, Model, Software, and Screen resolution. You can also reset your phone to factory defaults.

1. From the **system** settings menu, touch **about**.
2. Touch **more info** to view information such as OS version, Firmware revision number, Hardware revision number, Radio software version, Radio hardware version, Bootloader version, Chip SOC version, MAC address, PRL-ID, MEID, MDN, ERI, IMEI, SIM ID, and NAI.
3. Touch **Terms of Use** or touch **Privacy Statement** to view those documents.

Resetting Your Phone

- Touch **reset your phone** if you want to reset your phone to the factory default settings.

Caution! After resetting your phone, you must not remove the battery until rebooting is complete.

Note: Once you perform **reset your phone**, all settings and data are initialized.

Feedback

This setting sends feedback to help improve function for this phone.

1. From the **system** settings menu, touch **feedback**.
2. Touch and slide the **Send feedback** slider to the right turn this option On.
3. Touch **Privacy Statement** to view the statement.

Additional Call Settings

This setting provides access to additional call settings, based upon your cellular plan. See your cellular service provider for more information. Not all options are available with all plans.

1. From the **system** settings menu, touch **additional call settings**.
2. Touch each feature to configure.

Call Blocking

Your phone can automatically reject unknown calls or calls from certain contacts.

1. From the **system** settings menu, touch **call blocking**.
2. Touch and slide the **Block unknown calls** slider to the right to turn this option On.
3. Touch **add by keypad** to enter a number to block using the keypad.
   - Touch the **Phone number** field to enter a phone number.
   - Touch the **Name** field to enter a name.
   - Touch the **Criteria** field and select **include**, **exactly the same as**, or **start with** to selectively block callers based on the Name field.
   - Touch **Save**.
4. Touch **add from contacts** to select a contact to block.
   - Touch a contact.
   - Select a phone number (if the contact has more than one).
   - Touch the **Phone number** field and **Name** field to edit, if desired.
   - Touch the **Criteria** field and select **include**, **exactly the same as**, or **start with** to selectively block callers based on the Name field.
   - Touch **Save**.
5. Touch the **view blocked calls history** field to view all blocked calls.
   - Touch **refresh** to refresh the list.
   - Touch the **clear** to remove an entry.
6. Touch the **remove blocked numbers** field and select numbers to delete from the blocked numbers list.
   - Touch the **clear** to remove an entry.

Contacts Import

You can import contacts from your previous phone via Bluetooth.

1. From the **system** settings menu, touch **contacts import**.
2. Enable Bluetooth on each phone and set each phone to be discoverable.
3. Touch **Search device** and pair the two phones.
4. Select the desired phone from the paired list, and touch **Start** to import all contacts.
5. Touch **Next** and select each contact to import.
6. Touch **Save** to import contacts.

Extra Settings

This setting contains additional device settings.

1. From the **system** settings menu, touch **extra settings**.
2. Touch the **Auto Display Intensity** slider to the right to automatically adjust background color to increase battery life when background color is set to white.
3. Touch the **Echo cancellation** slider to the right to improve voice quality on a phone call.
4. Touch the **Audio output mode** slider to the right to use external speakers when the phone is docked.
5. Touch the **Haptic feedback** slider to the right to have the phone vibrate when screen keys are touched.

Application Settings

To access the **applications** settings menu:

1. From the Home screen, sweep the screen to the left and touch **Settings**.

   The **system** settings menu displays.
2. Sweep the screen to the left to display the **applications** settings menu.

Background tasks

The apps in this list can continue to do things in the background even when they are not open.

1. From the **applications** settings menu, touch **background tasks**. Any apps that you have running in the background are listed.
2. Touch any app to view details. Touch **block** to stop the app from running in the background.
3. Touch **advanced** to see a list of the apps on your phone that can run in the background. This list includes apps that you cannot turn off manually.

Data Sense

This feature finds more efficient ways to use cellular data (such as only downloading certain data while connected to Wi-Fi) and displays your usage.

1. From the **applications** settings menu, touch **data sense**.
2. Touch **set limit**, touch the **Limit type** field, then select **None specified**, **One time**, **Monthly**, or **Unlimited**.
   - **One time**: Touch the **Days until data expires** field and select a number of days. Touch the **Available data** field and enter a balance size limit. Touch the **Units** field and select **MB** or **GB**.
   - **Monthly**: Touch the **Monthly reset date** field and select a day. Touch the **Monthly data limit** field and enter a size limit. Touch the **Units** field and select the **MB** or **GB**.

   Touch **Done**.
3. Touch **Restrict background data when I'm near my limit** to turn this option On.
4. Touch **Learn more** for more information about tracking and limiting data usage.

Games

The games setting allows you to connect with Xbox.

1. From the **applications** settings menu, touch **games**.
2. Touch and slide the **Connect with Xbox** slider to the right to turn this option On.
3. Touch and slide the **Sync game requests** slider to the right to turn this option On.
4. Touch and slide the **Show game notifications** slider to the right to turn this option On.
5. Touch the **Xbox Privacy Settings** to view and configure privacy settings.

Internet Explorer

From this menu you can configure your internet settings to allow cookies on the device, allow Bing to suggest web addresses, and set whether you want the browser to display as a mobile device or as a desktop. You can also delete all browsing history.

(For more information about Internet Explorer settings, see *"Internet Explorer Settings"* on page 116.)

Maps

This setting allows your phone applications to use your location to provide better local search results.

1. From the **applications** settings menu, touch **maps**.
2. Touch and slide the **Use my location** slider to the right to turn this option On.
3. Touch **download maps** to add additional maps to your phone.
   - Touch **add** and select a continent/country, then touch download.
   - Touch **menu** and touch **delete all maps** to remove all downloaded maps.
4. Touch **check for updates** to download any updates to your maps. Select a map to update, then touch **install** to begin downloading the update, or touch **not now** to postpone the download.
5. Touch **delete history** ➔ **delete** to remove all previous map searches and temporary files from your phone.
6. Touch **Privacy Statement** to view the statement.

Messaging

From this setting you can configure your messaging confirmations and whether or not to backup your messages.

1. From the **applications** settings menu, touch **messaging**.
2. Touch and slide the **Text message backup** slider to the right to turn this option On.
3. Touch and slide the **SMS delivery confirmation** slider to the right to turn this option On.
4. Touch and slide the **MMS delivery confirmation** slider to the right to turn this option On.
5. Touch and slide the **Send MMS acknowledgement** slider to the right to turn this option On.
6. Touch and slide the **Automatically download MMS** slider to the right to turn this option On.
7. Touch **emergency alerts** to configure:
   - Touch and slide the **AMBER Alerts** slider to the right to turn this option On.
   - Touch the **Emergency alerts** field and select **Presidential only**, **Presidential and Extreme alerts**, or **all alerts**.

Music + Videos

This menu allows you to connect with Xbox Music and configure your account settings.

1. From the **applications** settings menu, touch **music + videos**.
2. Touch and slide the **Connect with Xbox Music** slider to the right to turn this option On.

Note: The **Connect with Xbox Music** option is available after you access Xbox Music account settings.

3. Touch and slide the **Xbox Music cloud collection** slider to the right to turn this option On.
4. Touch **Only download new podcast episodes over Wi-Fi** to turn this option On.
5. Touch **Xbox Music Account Settings** to sign in to your Xbox Music account and check your Xbox Music settings.

6. Touch **suggestions** to get ideas for apps, games, things to do, and more:
   - Touch **Use Facebook too** and follow the online prompts to configure.
   - Touch **what suggestions will I see?** for more information.
   - Touch **Privacy Statement** to read the statement.
   - Touch **not now** to turn this option Off.
   - Touch **yes** to turn this option On.

Office

The Office menu allow you to configure SharePoint, enter a user name to identify yourself in comments and for collaboration and document tracking efforts. The Office software version numbers are also displayed.

1. From the **applications** settings menu, touch **Office**.
2. Touch the **user name** field and enter a user name that identifies you in comments and document tracking.
3. Touch **Open SharePoint links in the Office hub** to turn this option On.
4. Touch **reset Office** ➔ **reset** to erase all saved Office settings, local and offline files, and to restore Office to its default factory settings.

People

The People menu allows you to configure how your contacts display in the phone book. This option also allows you to import SIM contacts.

1. From the **applications** settings menu, touch **people**.
2. Touch **import SIM contacts** to import the contacts from your SIM card.

Important! Imported SIM contacts are synchronized with your online Windows Live contact list.

3. Touch **filter my contact list** to display the **SHOW CONTACTS FROM** screen. Touch to select each account that can be used as a source for contact information to display in your contact list.
4. If you have added accounts such as Facebook, Twitter, or LinkedIn, touch **Hide posts from contacts I've filtered** to limit posts from those accounts.
5. Under **Sort list by**, determine how you want to sort contacts. Touch **First name** or **Last name**.

6. Under **Display names by**, determine how to display names in the contacts list. Touch **First Last** or **Last**, or **First**.
7. Touch and slide the **Use my location** slider to the right to turn this option On. When activated, this option uses your location to find nearby places and check in.
8. Touch **Save check-in searches and locations with my Microsoft account to improve search results** to turn this option On.
9. Touch **Privacy Statement** to view the statement.

Add an Account

Use the add an account option to set up email and other accounts.

1. From the **applications** settings menu, touch **people**.
2. Touch **add an account** to set up a new account.
3. Touch an existing account to modify its settings.
4. Touch and hold an existing account to sync or delete it.

(For more information about email accounts, see *"Setting Up an Email Account"* on page 66.)

Phone

The phone menu allows you to configure phone settings such as your voicemail number, international assistance, and SIM security. Your cellular provider and network may offer additional features.

1. From the **applications** settings menu, touch **phone**. The phone settings screen displays.
2. The **My phone number** field displays the phone number associated with the SIM card installed in your phone.
3. Touch and slide the **Use default voicemail number** slider to the right to use the #86 (default) to retrieve voice mails. To set a custom number, Touch and slide the **Use default voicemail number slider** to the left, then touch the **new voicemail number** field. Use the on-screen keypad to enter a new voicemail number, and touch anywhere outside the field to save the custom number.

Important! This Voicemail number is configured to dial your carrier's voicemail box. Please check with your carrier before changing the number.

4. Touch and slide the **Text reply** slider to the right to reply to a call with a text message when you can't talk. Touch **edit replies** to enter up to four text replies. Touch **done** to save.
5. Touch and slide the **International assist** slider to the right to turn this feature On.

Note: Activating this feature automatically corrects some common mistakes while dialing internationally or dialing while abroad.

6. Touch and slide the **SIM security** slider to the right to activate SIM security. Enter your SIM PIN.
7. Touch and drag the **Long tones** slider to the right to activate long tones. When activated, keyboard tones will continue to sound as long as the key is press (instead of the default short tone).

Photos + Camera

This menu allows you to configure how the camera is activated, what information is saved to a photo, and whether photos are automatically uploaded to SkyDrive.

1. From the **applications** settings menu, touch **photos + camera**.
2. Touch **Press and hold camera button to wake up the phone** to turn this option On.
3. Touch **Prevent accidental camera launch when phone is locked** to turn this option On.
4. Touch **Tap screen to take pictures and videos when using the built-in Camera app** to the right to turn this option On.
5. Touch **Include location info in pictures I take** to turn this option On.

Auto Upload of Pictures and Videos

6. Touch **SkyDrive** to set pictures and videos you take to be automatically uploaded to SkyDrive. This option uses your data plan and may incur charges.
   - For photos, select **Don't upload**, **Good quality (may use data plan)**, or **Best quality (needs Wi-Fi)**.
   - For videos, select **Don't upload**, **Good quality (needs Wi-Fi)**, or **Best quality (needs Wi-Fi)**.

Tip: Automatic upload to SkyDrive cannot be turned On until you have signed in to your Windows Live account.

7. Touch **apps** ➔ **find apps** to find and install additional apps that can automatically upload your content. When installed, they apps will be listed here. Touch an app to launch it.
8. Touch **reset camera** to restore camera default settings.
9. Touch **Privacy Statement** to view the statement.

Search

The Search menu allow you to perform a better search, get suggestions from Bing, or delete search history.

1. From the **applications** settings menu, touch **search**.
2. Touch and slide the **Use my location** slider to the right to turn this option On. When activated, this feature uses your location to provide better local search results.
3. Touch **Send location info for Microsoft Tags** to turn this option On.
4. Touch **suggestions** to get ideas for apps, games, things to do, and more:
   - Touch **Use Facebook too** and follow the online prompts to configure.
   - Touch **what suggestions will I see?** for more information.
   - Touch **Privacy Statement** to read the statement.
   - Touch **not now** to turn this option Off.
   - Touch **yes** to turn this option On.

5. Touch the **SafeSearch** field and select **off**, **moderate**, or **strict**.
6. Touch **Allow search button from lock screen** to turn this option On.
7. Touch **Get suggestions from Bing as I type** to turn this option On.
8. Touch **Allow Microsoft to store and use images from vision searches** to help Microsoft provide better search results.
9. Touch **delete history** ➔ **delete** to delete all previously-typed search terms from your phone.
10. Touch **Privacy Statement** to view the statement.

Store

Store provides access to downloadable applications, music, and games to install on your phone. Store also allows you to provide feedback and comments about an application or flag an application that might be incompatible with your phone.

1. From the **applications** settings menu, touch **store**.
2. Touch **PIN** to configure your Personal Identification Number:
   - Touch and slide the **Wallet PIN** slider to the right to turn this option On.
   - Touch **use Wallet PIN to protect music, app, and in-app purchases** to turn this option On.
   - Touch **Learn more about Wallet** for more information.
3. Touch **suggestions** to get ideas for apps, games, things to do, and more:
   - Touch **Use Facebook too** and follow the online prompts.
   - Touch **what suggestions will I see?** for more information.
   - Touch **Privacy Statement** to read the statement.
   - Touch **not now** to turn this option Off.
   - Touch **yes** to turn this option On.
4. Touch **Store Terms of Use** to read the statement.
5. Touch **Privacy Statement** to read the statement.

Wallet

The Wallet app stores credit or debit cards, Microsoft gift cards, PayPal account information, and other payment options, giving you quick and easy access when purchasing online or in stores.

1. From the **applications** settings menu, touch **wallet**.
2. Touch and slide the **Wallet PIN** slider to the right to turn this option On.

   A PIN will be required to use Wallet.
3. Touch **Use Wallet PIN to protect music, app, and in-app purchases** to turn this option On.
4. Touch **Learn more about Wallet** for more information.

This device is capable of operating in Wi-Fi mode in the 2.4 and 5 GHz bands. The FCC requires that devices operating within 5.15-5.25 GHz may only be used indoors, not outside, in order to avoid interference with Mobile Satellite Services (MSS). Therefore, this device is restricted from being used outdoors when using the 5.15-5.25 GHz band.

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a

slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike "hands-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/.

- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.
- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This mobile phone has a FCC ID number: A3LSCHR860U [Model Number: SCH-R860U] and the specific SAR levels for this mobile phone can be found at the following FCC website:
http://www.fcc.gov/oet/ea/.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes**

impaired. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp .

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recyle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect
Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty”.

GPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Even with GPS, when you make an emergency call:

- Always tell the emergency responder your location to the best of your ability; and

- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. From the Home screen, touch **Phone** ➔ **Dialer** to launch the Phone Dialer.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Touch **call** to place the call.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device

may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Device away from:

Liquids of any kind

Keep the wireless mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the wireless mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the device and could cause a fire or explosion.

Do not use the wireless mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the wireless mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your wireless mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your wireless mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the wireless mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the wireless mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the wireless mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your wireless mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the wireless mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Hotspot Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Conversely, ensure the unit is placed at least 2 feet away from products which generate electromagnetic radiation, such as a computer monitor or microwave oven.

Note: For the best care of your device, ensure that only authorized personnel service your wireless mobile device. Failure to do so may be dangerous and void your warranty. Consult the manufacturer of any personal medical devices, such as pacemakers and hearing aids, to determine if they are adequately shielded from external RF signals.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;

- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see:
http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals

or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

Restricting Children's Access to Your Wireless Mobile Device

Your wireless mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others or damage the wireless mobile device.

Keep the wireless mobile device and all its parts and accessories out of the reach of small children.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled.

M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

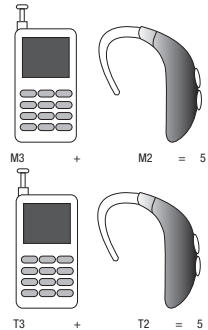
T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.

- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 11: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082
Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

No reproduction in whole or in part allowed without prior written approval. Specifications and availability subject to change without notice. [111611]

End User License Agreement for Software

IMPORTANT. READ CAREFULLY: This End User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. ("Samsung") for software, owned by Samsung and its affiliated companies and its third party suppliers and licensors, that accompanies this EULA, which includes computer software and may include associated media, printed materials, "online" or electronic documentation in connection with your use of this device ("Software").

This device requires the use of preloaded software in its normal operation. BY USING THE DEVICE OR ITS PRELOADED SOFTWARE, YOU ACCEPT THE TERMS OF THIS EULA. IF YOU DO NOT ACCEPT THESE TERMS, DO NOT USE THE DEVICE OR THE SOFTWARE.

1. **GRANT OF LICENSE**. Samsung grants you the following rights provided that you comply with all terms and conditions of this EULA: You may install, use, access, display and run one copy of the Software on the local hard disk(s) or other permanent storage media of one computer and use the Software on a single computer or a mobile device at a time, and you may not make the Software available over a network where it could be used by multiple computers at the same time. You may make one copy of the Software in machine readable form for backup purposes only; provided that the backup copy must include all copyright or other proprietary notices contained on the original.

Certain items of the Software may be subject to open source licenses. The open source license provisions may override some of the terms of this EULA. We make the applicable open source licenses available to you on the Legal Notices section of the Settings menu of your device.

2. **RESERVATION OF RIGHTS AND OWNERSHIP**. Samsung reserves all rights not expressly granted to you in this EULA. The Software is protected by copyright and other intellectual property laws and treaties. Samsung or its suppliers own the title, copyright and other intellectual property rights in the Software. The Software is licensed, not sold.

3. **LIMITATIONS ON END USER RIGHTS**. You may not reverse engineer, decompile, disassemble, or otherwise attempt to discover the source code or algorithms of, the Software (except and only to the extent that such activity is expressly permitted by applicable law not withstanding this limitation), or modify, or disable any features of, the Software, or create derivative works based on the Software. You may not rent, lease, lend, sublicense or provide commercial hosting services with the Software.

4. **CONSENT TO USE OF DATA**. You agree that Samsung and its affiliates may collect and use technical information gathered as part of the product support services related to the Software provided to you, if any, such as IMEI (your device's unique identification number), device number, model name, customer code, access recording, your device's current SW version, MCC (Mobile Country Code), MNC (Mobile Network Code). Samsung and its affiliates may use this information solely to improve their products or to provide customized services or technologies to you and will not disclose this information in a form that personally identifies you. At all times your information will be treated in accordance with Samsung's Privacy Policy, which can be viewed at: http://account.samsung.com/membership/pp.

5. **SOFTWARE UPDATES**. Samsung may provide to you or make available to you updates, upgrades, supplements and add-on components (if any) of the Software, including bug fixes, service upgrades (parts or whole), products or devices, and updates and enhancements to any software previously installed (including entirely new versions), (collectively "Update") after the date you obtain your initial copy of the Software to improve the Software and ultimately enhance your user experience with your device. This EULA applies to all and any component of the Update that Samsung may provide to you or make available to you after the date you obtain your initial copy of the Software, unless we provide other terms along with such Update. To use Software provided through Update, you must first be licensed for the Software identified by Samsung as eligible for the Update. After the Update, you may no longer use the Software that formed the basis for your Update eligibility. The updated Software version may add new functions and, in some limited cases, may delete existing functions.

While the Update will be generally available, in some limited circumstances, the Software updates will only be offered by your network carrier, and such Software updates will be governed by your contractual relationship with your network carrier.

With the “Automatic Update” function enabled (as in the default setting in the System Update menu in the Setting), your device downloads some Updates automatically from time to time. Your device will, however, ask for your consent before installing any Update If you choose to disable the “Automatic Update” function, then you can check the availability of new Updates by clicking on the “Check Update” menu in the Setting. We recommend that you check availability of any new Updates periodically for optimal use of your device. If you want to avoid any use of network data for the Update downloads, then you should choose the “Wi-Fi Only” option in the Setting. (Regardless of the option you choose, the “Automatic Update” function downloads Updates only through Wi-Fi connection.)

6. Some features of the Software may require your device to have access to the internet and may be subject to restrictions imposed by your network or internet provider. Unless your device is connected to the internet through Wi-Fi connection, the Software will access through your mobile network, which may result in additional charges depending on your payment plan. In addition, your enjoyment of some features of the Software may be affected by the suitability and performance of your device hardware or data access.

7. **SOFTWARE TRANSFER**. You may not transfer this EULA or the rights to the Software granted herein to any third party unless it is in connection with the sale of the mobile device which the Software accompanied. In such event, the transfer must include all of the Software (including all component parts, the media and printed materials, any upgrades, this EULA) and you may not retain any copies of the Software. The transfer may not be an indirect transfer, such as a consignment. Prior to the transfer, the end user receiving the Software must agree to all the EULA terms.

8. **EXPORT RESTRICTIONS**. You acknowledge that the Software is subject to export restrictions of various countries. You agree to comply with all applicable international and national laws that apply to the Software, including all the applicable export restriction laws and regulations.

9. **TERMINATION**. This EULA is effective until terminated. Your rights under this License will terminate automatically without notice from Samsung if you fail to comply with any of the

terms and conditions of this EULA. Upon termination of this EULA, you must cease all use of the Software and destroy all copies, full or partial, of the Software.

10. **DISCLAIMER OF WARRANTY**. UNLESS SEPARATELY STATED IN A WRITTEN EXPRESS LIMITED WARRANTY ACCOMPANYING YOUR DEVICE, ALL SOFTWARE PROVIDED BY SAMSUNG WITH THIS MOBILE DEVICE (WHETHER INCLUDED WITH THE DEVICE, DOWNLOADED, OR OTHERWISE OBTAINED) IS PROVIDED "AS IS" AND ON AN "AS AVAILABLE" BASIS, WITHOUT WARRANTIES OF ANY KIND FROM SAMSUNG, EITHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT POSSIBLE PURSUANT TO APPLICABLE LAW, SAMSUNG DISCLAIMS ALL WARRANTIES EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY OR WORKMANLIKE EFFORT, FITNESS FOR A PARTICULAR PURPOSE, RELIABILITY OR AVAILABILITY, ACCURACY, LACK OF VIRUSES, QUIET ENJOYMENT, NON INFRINGEMENT OF THIRD PARTY RIGHTS OR OTHER VIOLATION OF RIGHTS. SOME JURISDICTIONS DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF IMPLIED WARRANTIES, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, OBTAINED BY YOU FROM SAMSUNG OR ITS AFFILIATES SHALL BE DEEMED TO ALTER THIS DISCLAIMER BY SAMSUNG OF WARRANTY REGARDING THE SOFTWARE, OR TO CREATE ANY WARRANTY OF ANY SORT FROM SAMSUNG.

11. **THIRD-PARTY APPLICATIONS**. Certain third party applications may be included with, or downloaded to this mobile device. Samsung makes no representations whatsoever about any of these applications. Since Samsung has no control over such applications, you acknowledge and agree that Samsung is not responsible for the availability of such applications and is not responsible or liable for any content, advertising, products, services, or other materials on or available from such applications. You expressly acknowledge and agree that use of third party applications is at your sole risk and that the entire risk of unsatisfactory quality, performance, accuracy and effort is with you. It is up to you to take precautions to ensure that whatever you select to use is free of such items as viruses, worms, Trojan horses, and other items of a destructive nature. References on this mobile device to any names, marks, products, or services of any third-parties are provided solely as a convenience to you, and do not constitute or imply an endorsement, sponsorship, or recommendation of, or affiliation with the third party or its products and services. You agree that Samsung shall not be

responsible or liable, directly or indirectly, for any damage or loss, including but not limited to any damage to the mobile device or loss of data, caused or alleged to be caused by, or in connection with, use of or reliance on any such third party content, products, or services available on or through any such application. You acknowledge and agree that the use of any third-party application is governed by such third party application provider's Terms of Use, License Agreement, Privacy Policy, or other such agreement and that any information or personal data you provide, whether knowingly or unknowingly, to such third-party application provider, will be subject to such third party application provider's privacy policy, if such a policy exists. SAMSUNG DISCLAIMS ANY RESPONSIBILITY FOR ANY DISCLOSURE OF INFORMATION OR ANY OTHER PRACTICES OF ANY THIRD PARTY APPLICATION PROVIDER. SAMSUNG EXPRESSLY DISCLAIMS ANY WARRANTY REGARDING WHETHER YOUR PERSONAL INFORMATION IS CAPTURED BY ANY THIRD PARTY APPLICATION PROVIDER OR THE USE TO WHICH SUCH PERSONAL INFORMATION MAY BE PUT BY SUCH THIRD PARTY APPLICATION PROVIDER.

12. **SAMSUNG APPLICATIONS**. Certain Samsung applications and services may be included with, or downloaded to, this mobile device. Many of them require Samsung Services membership registration ("Samsung Account"), and your rights and obligations will be set forth in separate Samsung Account terms and conditions and privacy policies. There are non-Samsung Account applications and services that require your consent to their separate terms and conditions and privacy policies. You expressly acknowledge and agree that your use of such applications and services will be subject to the applicable terms and conditions and privacy policies.

13. **LIMITATION OF LIABILITY**. SAMSUNG WILL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND ARISING OUT OF OR RELATING TO THE USE OR THE INABILITY TO USE THE SOFTWARE OR ANY THIRD PARTY APPLICATION, ITS CONTENT OR FUNCTIONALITY, INCLUDING BUT NOT LIMITED TO DAMAGES CAUSED BY OR RELATED TO ERRORS, OMISSIONS, INTERRUPTIONS, DEFECTS, DELAY IN OPERATION OR TRANSMISSION, COMPUTER VIRUS, FAILURE TO CONNECT, NETWORK CHARGES, IN-APP PURCHASES, AND ALL OTHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. NOTWITHSTANDING

THE FOREGOING, SAMSUNG ELECTRONIC CO.'S TOTAL LIABILITY TO YOU FOR ALL LOSSES, DAMAGES, CAUSES OF ACTION, INCLUDING BUT NOT LIMITED TO THOSE BASED ON CONTRACT, TORT, OR OTHERWISE, ARISING OUT OF YOUR USE OF THE SOFTWARE OR THIRD PARTY APPLICATIONS ON THIS MOBILE DEVICE, OR ANY OTHER PROVISION OF THIS EULA, SHALL NOT EXCEED THE AMOUNT PURCHASER PAID SPECIFICALLY FOR THIS MOBILE DEVICE OR ANY SUCH THIRD PARTY APPLICATION THAT WAS INCLUDED WITH THIS MOBILE DEVICE. THE FOREGOING LIMITATIONS, EXCLUSIONS, AND DISCLAIMERS (INCLUDING SECTIONS 10, 11, 12 AND 13) SHALL APPLY TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, EVEN IF ANY REMEDY FAILS ITS ESSENTIAL PURPOSE.

14. **U.S. GOVERNMENT END USERS RESTRICTED RIGHTS**. The Software is licensed only with "restricted rights" and as "commercial items" consisting of "commercial software" and "commercial software documentation" with only those rights as are granted to all other end users pursuant to the terms and conditions herein. All Products are provided only with "restricted rights" with only those rights as are granted to all other end users pursuant to the terms and conditions herein. All Software and Products are provided subject to Federal Acquisition Regulation (FAR) 52.227.19.

15. **APPLICABLE LAW**. This EULA is governed by the laws of the jurisdiction where you are a resident or, if a resident of the United States, by the laws of the state of Texas, without regard to its conflict of law provisions. This EULA shall not be governed by the UN Convention on Contracts for the International Sale of Goods, the application of which is expressly excluded.

16. **DISPUTE RESOLUTION**.

(a) Non-United States residents. If a dispute, controversy or difference arising in any way from this EULA or your use of the Software is not amicably settled, it shall be subject to the non-exclusive jurisdiction of the courts of the jurisdiction where you are a resident. Notwithstanding the foregoing, Samsung may apply for injunctive remedies (or an equivalent type of urgent legal relief) in any jurisdiction.

(b) United States residents. ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS EULA OR YOUR USE OF THE SOFTWARE SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with any other person's or entity's claim or dispute, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class

action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the EULA and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the EULA. For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant Samsung its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and Samsung shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. This arbitration provision also applies to claims against Samsung's employees, representatives and affiliates if any such claim arises from the licensing or use of the Software. You may opt out of this dispute resolution procedure by providing notice to Samsung no later than 30 calendar days from the date of the first consumer purchaser's purchase of this device. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the device was purchased; (c) the device model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the device box; (ii) on the device information screen, which can be found under "Settings;" (iii) on a label on the back of the device beneath the battery, if the battery is removable; and (iv) on the outside of the device if the battery is not

removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the device and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect your use of the device or its preloaded Software, and you will continue to enjoy the benefits of this license.

17. **ENTIRE AGREEMENT; SEVERABILITY**. This EULA is the entire agreement between you and Samsung relating to the Software and supersedes all prior or contemporaneous oral or written communications, proposals and representations with respect to the Software or any other subject matter covered by this EULA. If any provision of this EULA is held to be void, invalid, unenforceable or illegal, the other provisions shall continue in full force and effect. [050113]

Index

A

Additional call settings 137
Alarms 93
  Setting a New Alarm 93
Alphabetic Mode 34
Applications
  Alarms 93
  Calculator 94
  Calendar 94
  Camera 84
  Data Sense 97
  Games 97
  Help + Tips 99
  Internet Explorer 99
  Live Wallpaper 99
  Maps 100
  Messaging 103
  MiniDiary 103
  Music + Videos 104
  Now 105
  Office 107
  OneNote 108
  People 109
  Phone 109
  Photo Editor 109
  Photos 109
  Settings 109
  Slacker Radio 110
  Store 110
  Wallet 111
  Your Navigator Deluxe 111

B

Back key 25
Background tasks 140
Backup 130
Battery
  charging 11
  cover, removing 6
  cover, replacing 7
  indicator 10
  installing 10
  removing 11
  Wall Charger 11
Battery Use & Safety 156
Bing Search 113
Browser
  Internet Explorer 112

C

Calculator 94
Calendar 94
  Appointments 95
  Calendar Settings 96
  To-Dos 95
Call blocking 138
Call Functions
  3-Way (Multi-Party) Calling 43
  adjusting the call volume 41
  answering a call 39
  call back missed call 40
  call history 40
  correcting the number 38
  dialing a recent number 39
  ending a call 38
  international call 38
  making a call 38
  making a call from People 39

options during a call 41
saving the missed call number to People 40
Camcorder 87
Camera
accessing pictures and videos 89
picture folder 89
taking pictures 85
using 84
Care and Maintenance 162
Children and Cell Phones 153
Company apps 136
Connections 112
Contacts import 139
Copy and Paste 36

D

Data Sense 97
Data sense 140
Date + time 131
Display / Touch-Screen 160
Do cell phones pose a health hazard? 149

E

Ease of access 133
Email 66
Email + accounts 123
Emergency Calls 161
Entering Text
changing the text entry mode 33
portrait or landscape 32
using alphabetic mode 34
using symbol/numeric mode 34
Exposure to Radio Frequency (RF) Signals 149
Extra settings 139

F

Favorites 114
FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices 165
FCC Notice and Cautions 167
Find my phone 135
Front Facing Camera 86

G

Games 97
Accessing Games 97
Getting More Games 98
Getting Started
Setting Up Your Phone 6
GPS 160
GPS Applications 92

H

Health and Safety Information 149
Help + Tips 99
Home screen 27

I

Icons
Status Bar 28
In-Call Options 42
International Call 38
Internet 112
Internet Explorer 99
accessing 112
settings 116

K

Keyboard
changing text input 33
QWERTY 32
Kid's Corner 128

L

Language + region 133
Lenses 86
Linked Inboxes 73
Linking People 50
Live Wallpaper 99
Lock screen 124
Locking and Unlocking
unlocking the keypad 15, 16

M

Maps 100
Delete History 101
Enabling Use My Location 100
Map Options 101
Navigating the Map 101
Memory Card
installing 13
removing 14
Menu
context-sensitive 25
Menu key 25
Messaging 103
creating text messages 59
sending text messages 59
signing into email 66
types of messages 59
microSDHC card 13
MiniDiary 103
Mobile Web
entering text in the Mobile Web browser 113
navigating with the Mobile Web 113
Multimedia 75
Music + Videos 104
Mute 42

N

Navigation 25
touch gestures 26
Now 105
News 106
Stocks 106
Weather 105
Numeric Mode 34

O

Office 107
OneNote 108
Operating Environment 163
Other Important Safety Information 167

P

PC Connections 121
People 109
adding 44
deleting 46
dialing a number 48
unlinking 51
using your list 48
Phone 109
Phone storage 129
Phone update 136
Photo Editor 90, 109
Photos 109
Photos + camera 145
Pictures
viewing 82
Powering On and Off 14

Q

QWERTY Keyboard 32

R

Reducing Exposure
Hands-Free Kits and Other Accessories 152
Roaming 20

S

Samsung Mobile Products and Recycling 158
Search key 25
Security
locking and unlocking 16
locking the phone 16
Setting Up a Microsoft Account 74
Settings 109
Settings, Changing 122
SIM Card
importing contacts from 143
not in phone indicator 28
SIM card
installation 8
Installing 7
Slacker Radio 110
Smart Practices While Driving 155
Specific Absorption Rate (SAR) Certification Information 154
Speech Engine 31
Standard Limited Warranty 169
Start key 25
Store 110
Symbol Mode 34
Symbol/Numeric Mode 34
Symbols, Inserting in Text 33

T

Tap + send 125
Text Entry 32
Text Input Modes 34
Troubleshooting
phone frozen 20
TTY Mode 19
Turning Your Phone On and Off 14

U

UL Certified Travel Charger 159
Unlocking
using an unlock pattern 16
Unmute 42
USB Power/Accessory Port 23

V

Videos, Viewing 83
Voicemail
checking 19
setting up 19
Volume
key 23

W

Wallet 111
Warranty Information 169
Web 112

X

Xbox LIVE 98
Xbox Music Pass 75

Y

Your Navigator Deluxe 111